



Product Catalog 2025 for Industrial Applications

Dräger

Technology for Life

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Welcome

Dräger is a leading international company in the fields of medical and safety technology. Founded in Lübeck in 1889, Dräger has grown into a worldwide enterprise in its fifth generation as a family-run business. Our long-term success is predicated on a value-oriented corporate culture with four central strengths: close collaboration with our customers, the expertise of our employees, continuous innovation and outstanding quality.

“Technology for Life” is our guiding principle. Wherever they are deployed – in clinical settings, industry, mining or emergency services – Dräger products protect, support and save lives.

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Whilst every care has been taken in the compilation of this price list, and every attempt made to present up-to-date and accurate information, we cannot guarantee that inaccuracies will not occur. Dräger reserves the right to make any changes without providing prior notification.

Respiratory products from Dräger



Professional respiratory protection since 1889

Regardless of your industrial application, whether it be painting, welding, carpentry, metal processing or chemical handling, your safety is Dräger's prime objective. Even under the harshest conditions, with Dräger you will find a system solution that meets your needs.

For more than 100 years Dräger products have helped keep people breathing safely. The Dräger X-plore® range of respiratory protection products offers a complete selection of products and system solutions—tailored to meet your needs.

The ideal combination of comfort, easy handling and user safety is ensured by new materials, a modern and practical design, together with the experience of numerous engineers' world-wide and intensive dialogue with our customers.

This all adds up to offering solutions which meet your expectations.

Dräger Voice



We have something against danger at the working place

When something is in the air – regardless of dusts, gases or vapors – the use of high-quality respiratory protection is essential.

When it comes to selecting the right respiratory protection there are some important factors to consider: knowledge of the existing contaminants and the application requirements along with the limitations of use and the protection levels each respirator offers. Sound complicated? You are not alone, but Dräger has the right tools to support you and will help you every step of the way.

Our Dräger VOICE database of hazardous substances supports you in selecting the optimal mask-filter combination for your application. You can find it in the internet under www.draeger.com/voice

For a quick and easy orientation the following pages give you a short overview on the Dräger X-plore® product family, selected industrial applications, and the appropriate respiratory protection for your job.



Air Purifying Respirators

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Air Purifying Respirators



Selecting the Appropriate Respiratory Protection

Selecting the appropriate mask/cartridge/filter combination is extremely important to ensure that you are properly protected throughout the work day. The information contained in this brochure should only be used as guidelines and should not be used as a substitute for local/federal regulations or worksite specific conditions.

Additional information can be found in the product instruction manual or on your regulating agency's (e.g. OSHA, NIOSH) website.

Do not use an Air Purifying Respirator under the following conditions:

- In atmospheres containing less than 19.5% oxygen
- If type of contaminant or concentration is unknown
- In an IDLH (Immediately Dangerous to Life or Health) atmosphere
- If concentration is unknown, assume IDLH

If any of these conditions exist, you must use an appropriate supplied air respirator.

Basic information needed for selection:

- Know what type of hazards are present
- Concentration levels
- Assigned Protection Factor (APF): expected level of protection from a particular class of respirators – OSHA 1910.134

These items can be determined using one of Dräger's gas detection instruments from our comprehensive line, MSDS, product label, etc.

Once this information is known, an excellent resource to determine respirator type is to refer to the NIOSH Pocket Guide to Chemical Hazards (www.cdc.gov/niosh/npg). This guide lists the Permissible Exposure Limits (above this level respiratory protection is required), type of respiratory protection required, IDLH level, if eye irritant, if carcinogen, special instructions, etc.

Air Purifying Respirators

Mask Selection

Select mask type based on its Maximum Use Concentration ($MUC = APF \times PEL$), of course not exceeding the IDLH level, and determine if eye protection is necessary. In addition, check NIOSH Pocket Guide for substance specific guidelines.

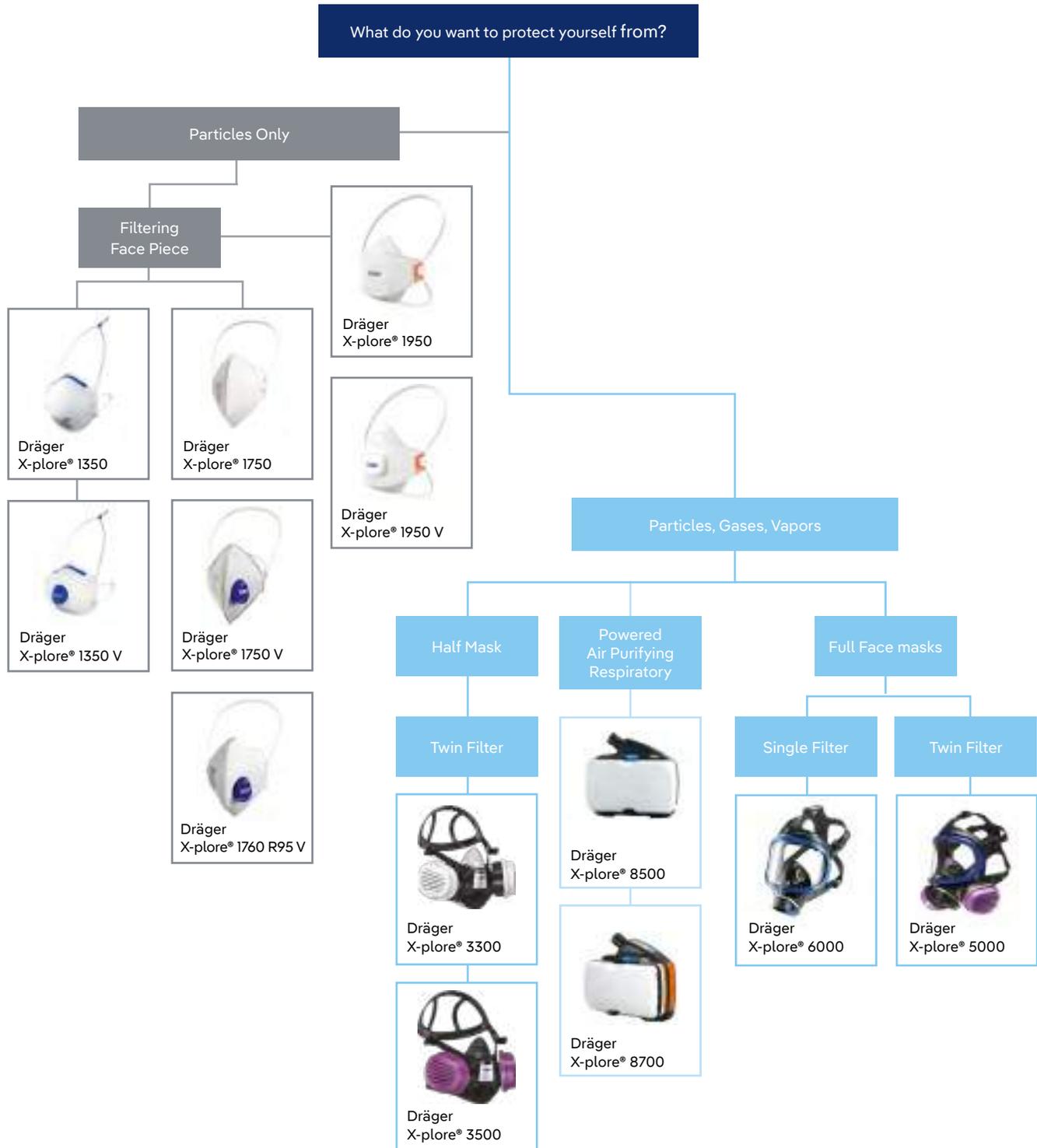
Filter/Cartridge Selection

First check the NIOSH Pocket Guide and follow any special instructions for the substance of concern.

- Filters – should be selected only when particles (solid or liquid) are present. If oil is present, then use an “R” or “P” version. N95 offers the minimum approved protection; P100 provides the maximum approved protection.
- Single Gas Cartridges – should be selected only when gases or vapors from one particular family are present.
- Multi-Gas Cartridges – should be selected when gases or vapors from more than one family are present, or to reduce logistics when one cartridge is preferred in different areas containing different substances. Typically, multi-gas cartridges will last half as long as single gas cartridges.
- Combination Cartridges – should be selected when gases/vapors and particulates are present.

Air Purifying Respirators

The Dräger X-plore® Product Family



Air Purifying Respirators

Dräger X-plore® 1300 NIOSH Particle Filtering Face Piece

The improved X-plore® 1300 particulate respirators offer users the ideal combination of safety and comfort. Improvements were made on the basis of several years of intensive market experience, by analyzing customer requirements and market demands.



Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 1300 NIOSH Particle Respirator



Dräger X-plore® 1300			
1. Dräger X-plore® 1350 XS	N95 rating	20 / box	3951351
1. Dräger X-plore® 1350 S/M	N95 rating	20 / box	3951352
1. Dräger X-plore® 1350 M/L	N95 rating	20 / box	3951353
2. Dräger X-plore® 1350 V S/M	N95 rating	10 / box	3951355
2. Dräger X-plore® 1350 V M/L	N95 rating	10 / box	3951356
3. Dräger X-plore® 1350 V Odor S/M	N95 rating	10 / box	3951358
3. Dräger X-plore® 1350 V Odor M/L	N95 rating	10 / box	3951359

Data

Filter material	CoolSAFE™ for protection against particles; N-rated for particulate aerosols free of oil, maximum use of one work-shift
Odor versions	Odor versions With additional activated carbon layer against nuisance organic odors below the limit value
Approvals	All versions are approved according to NIOSH 42 CFR Part 84.

Air Purifying Respirators

Dräger X-plore® 1700 NIOSH Particle Filtering Face Piece

Breathe cool, stay safe: Dräger X-plore® 1750 and 1760 is Dräger's new generation particle filtering face piece respirators, coming with distinct improvements in comfort and protection.

CoolSAFE™ filter material

Performance that makes a difference: CoolSAFE™ filter material produced from high-performance filter media ideally combines low breathing resistance and high filter performance in one mask.

Flexible nose clip

Ensures a great fit, in the most critical area.

Soft inner layer

Comfortable to wear: the inner material layer is not only soft and hypo-allergenic, but also repels moisture thanks to its hydrophobic properties, keeping breathing resistance constantly low, when used for longer periods of time.

Folded form

All Dräger X-plore® 1700s are flat-folded, saving space and making them easier to transport.

Hygienic individual packaging

Each face piece is individually packed in a plastic bag, ensuring it stays clean and hygienic

VarioFLEX™ head harness

This continuous loop head harness is constructed from a stable, elastic, textile strap which is easy to don and doff while sitting comfortably with minimal pressure. The soft, tear-proof elastic easily stretched to fit various sizes of head and prevents hair entanglement.

CoolMAX™ exhalation valve (optional)

Breathe easy and comfortably: thanks to an extremely low breathing resistance. Additionally, the specially engineered CoolMAX™ exhalation valve releases humid and warm exhaled air, preventing heat build-up underneath the mask, allowing you to stay cool.



Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 1700 Particle Filtering Face Piece



Dräger X-plore® 1700

1. Dräger X-plore® 1750	N95 rating	20 / box	3951329
2. Dräger X-plore® 1750 V	N95 rating	15 / box	3951335
3. Dräger X-plore® 1760 V	R95 rating	15 / box	3951326

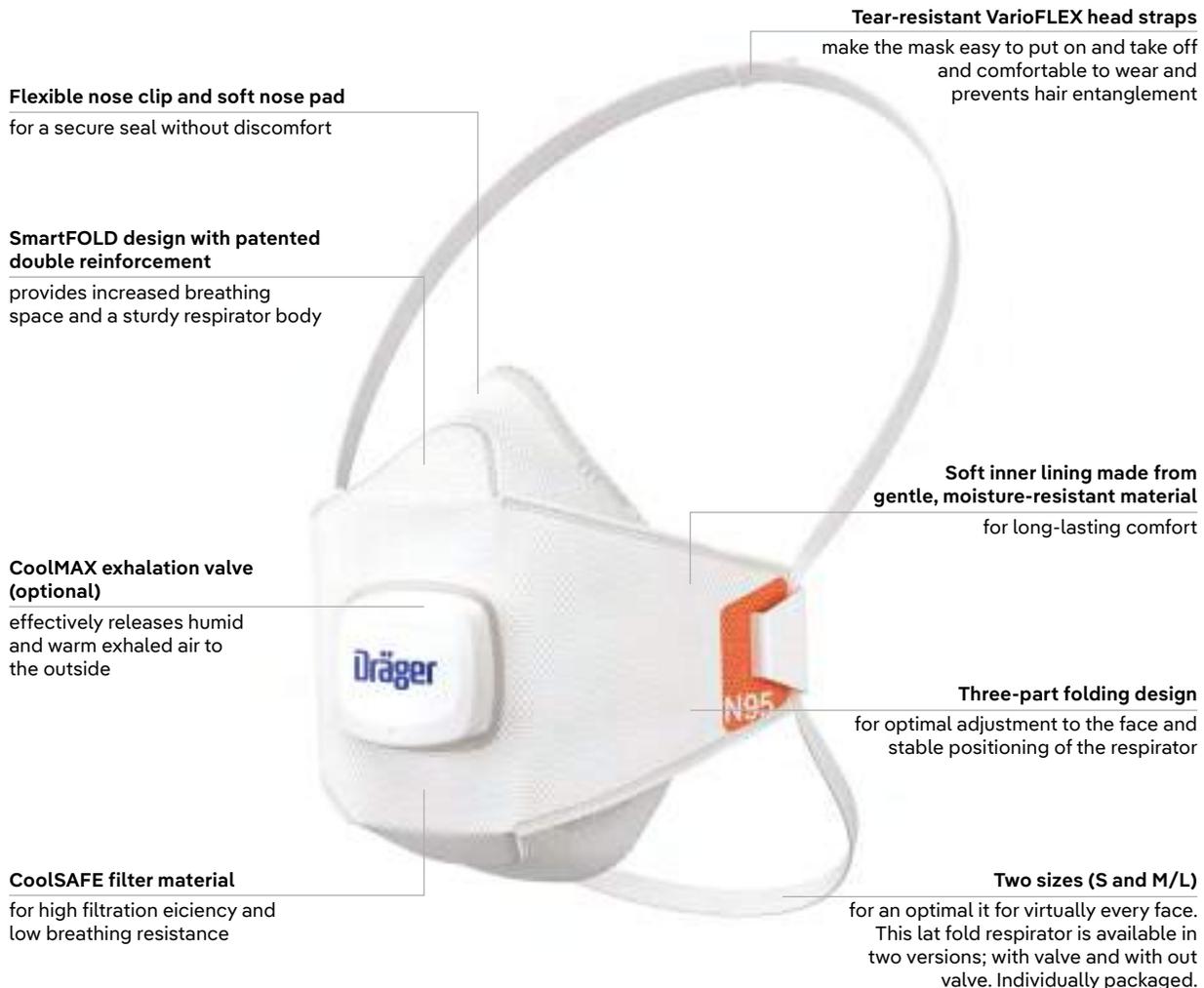
Technical Data

Filter material	CoolSAFE™ for protection against solid and liquid non-volatile particles
Approvals	All versions are approved according to NIOSH 42 CFR Part 84

Air Purifying Respirators

Dräger X-plore® 1900 NIOSH Particle Filtering Face Piece

Dräger X-plore® 1900 is a high-performance, single-use particulate respirator for protection against fine dust and particles. The premium particle filtering face piece is available in two sizes, combining ease of use, exceptional comfort and optimal fit. This individually packaged flat fold respirator fits a wide range of face shapes and sizes.



Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 1950

Dräger X-plore® 1950			
Dräger X-plore® 1950 M/L	N95 rating	20 / box	3951950
Dräger X-plore® 1950 S	N95 rating	20 / box	3951951
Dräger X-plore® 1950 V M/L	N95 rating	10 / box	3951955
Dräger X-plore® 1950 VS	N95 rating	10 / box	3951956

V = versions with CoolMAX exhalation valve

Sizes: M/L = medium/large; S = small

Technical Data

Approvals	All versions are approved according to NIOSH 42 CFR Part 84.	Protection class: N95
Materials*	Filter material CoolSAFE	Polypropylene
	VarioFLEX head straps	Polyester + elastane
	Holder for straps	Polypropylene
	CoolMAX valve: Housing / valve disc	Polypropylene / Isoprene
	Nose clip (integrated)	Tinplate (aluminum-free)
Nose pad	synthetic foam	
	*All components are latex-free	
Color	white	

Air Purifying Respirators

Dräger X-plore® 3300 Half Mask Respirator

The Dräger X-plore® 3300 offers both practical use and comfort, by its economical and low-maintenance use.

Dräger “FlexiFit” head harness

- Innovative, pliable material
- Ergonomic design
- Easy donning and doffing
- Excellent fit, remains in position on every head without trapping any hair
- Good pressure distribution: the head harness does not exert pressure, even under the helmet

Compact “low profile” design

- Side positioning of the filters and flat construction
- Excellent field of vision
- Good fit for use under protective
- Three sizes (S, M, L) are available to fit every face

Innovative X guide of the harness

- Very easy to adjust
- Optimal weight and stress distribution
- Excellent wearer comfort



Flexible nasal area

- Special design for extra tight fit and good shape – even with safety glasses

Safer bayonet-type connectors

- Inserting the filters is easy: both filters are inserted from above and guided down to the connection point

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 3300 Half Mask**Dräger X-plore® 3300**

Dräger X-plore® 3300 half mask, small		16 / box	R55331
Dräger X-plore® 3300 half mask, medium		16 / box	R55330
Dräger X-plore® 3300 half mask, large		16 / box	R55332

Accessories

Half mask Carrying bag		1 / box	4055649
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The Dräger X-plore® filter series offers an extensive range of particle, gas & vapor, and combination filters and cartridges.

Technical Data

Mask body	Dräger X-plore® 3300: Soft-TPE
Sizes	small (S), medium (M), large (L)
Filter connector	Two side-positioned bayonet connectors for use with the Dräger X-plore® filter range
Weight	Approx. 0.2 lb.
Approvals	NIOSH 42 CFR 84
Maintenance	Spare parts available for Dräger X-plore® 3500
Extras	Resealable storage bag

Air Purifying Respirators

Dräger X-plore® 3500 Half Mask Respirator

A perfect combination of durability, protection, and comfort. For harsh conditions and long duration use, the Dräger X-plore® 3500 half mask is the first choice.

Dräger “FlexiFit” head harness

- Innovative, pliable material
- Ergonomic design
- Easy donning and doffing
- Excellent fit, remains in position on every head without trapping any hair
- Good pressure distribution: the head harness does not exert pressure, even under the helmet

Flexible nasal area

- Special design for extra tight fit and good shape – even with safety goggles

Compact “low profile” design

- Side positioning of the filters and flat construction
- Excellent field of vision
- Good fit for use under protective
- Three sizes (S, M, L) are available to fit every face

Innovative X guide of the harness

- Very easy to adjust
- Optimal weight and stress distribution
- Excellent wearer comfort



“Drop-down” strap system with neck clips

- Protection during breaks from work as well: The mask can be removed simply by opening the neck clips without removing the helmet
- Protected against contamination in standby position: the mask remains with its inside against the body

Safer bayonet-type connector

- Inserting the filters is easy: both filters are inserted from above and guided down to the connection point

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 3500 Half Mask**Dräger X-plore® 3500**

Dräger X-plore® 3500 half mask, small		16 / box	R55351
Dräger X-plore® 3500 half mask, medium		16 / box	R55350
Dräger X-plore® 3500 half mask, large		16 / box	R55352

Accessories

OHD Quantifit Fit Test Adapters		1 / box	NA11124
Portacount Fit Test Adapter Set		1 / box	6738979
Half mask Carrying bag		1 / box	4055649

The Dräger X-plore® filter series offers an extensive range of particle, gas & vapor, and combination filters and cartridges.

Technical Data

Material of mask body	Dräger X-plore® 3500: "DrägerFlex"
Sizes	small (S), medium (M), large (L)
Filter connector	Two side-positioned bayonet connectors for use with the Dräger X-plore® filter range
Weight	Approx. 0.2 lb.
Approvals	NIOSH 42 CFR 84
Maintenance	Spare parts available for Dräger X-plore® 3500
Extras	Drop-down harness system and resealable storage bag

Air Purifying Respirators

Dräger X-plore® 5500 Full Face Respirator

Whether in the chemical, metal, or automotive industries, ship building, maintenance, supplies, or disposal: The Dräger X-plore® 5500 full face mask is the right solution for environments where not only increased respiratory protection is required, but a clear vision is mandatory.

Comfortable and secure fit

- Double sealing frame with threefold sealing edges
- More secure protection and tight fit

Large visor (180° angle)

- Optimal view during work
- Made from Polycarbonate or Triplex

5-point harness

- Simple donning and doffing without trapping any hair

Safe bayonet-type connector

- Simple insertion of the filters: Both filters are inserted from above and guided down to the connection point
- Cannot be fitted incorrectly

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Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 5500 Full Face**Dräger X-plore® 5500**

Dräger X-plore® 5500 EPDM/PC	With PC lens and plastic frame	1 / box	R55270
Dräger X-plore® 5500 EPDM/Triplex	With Triplex lens and stainless steel frame	1 / box	R56655
Accessories			
Spectacle Kit (frame and holder)		1 / box	R51548
Full Face Carry Bag, Blue, Draw String		1 / box	4053847
Lens cover (set of 25), self-adhesive		25 / box	4455092
Anti-fog liquid gel (50 ml)		1 / box	R52560
Alcohol Free Wipes		100 / box	4053845
Welding shield for use with SS frame	Accepts standard 4.5" x 5.25" glass	1 / box	4053437

The Dräger X-plore® filter series offers an extensive range of particle, gas & vapor, and combination filters and cartridges.

Technical Data

Material of mask body	EPDM with high ageing resistance, extremely hypoallergenic
Visor	Polycarbonate (with wide field of vision) or Triplex (extremely scratch-resistant with high chemical resistance)
Filter connector	Two, side-positioned bayonet connections
Weight	Approx. 1.1 lb.
Approvals	NIOSH 42 CFR 84
Maintenance	Spare parts available

Air Purifying Respirators

Dräger X-plore® Bayonet Filters NIOSH

Experience a new dimension of comfort and safety in respiratory protection: the Dräger X-plore® Twin filter series. It sets the benchmark in comfort and use. The utilization of modern materials, coupled with an attractive design, guarantees maximum comfort and user acceptance.



Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® Bayonet Filters

Particle Filters			
Pad N95		20 pcs = 10 pairs	6738020
Pad R95		20 pcs = 10 pairs	6738021
P100		22 pcs = 11 pairs	6740830
Pure P100		20 pcs = 10 pairs	6738350
Pure P100 Odor		20 pcs = 10 pairs	6738392
Gas Filters			
OV		14 pcs = 7 pairs	6738034
AM/MA		14 pcs = 7 pairs	6738027
OV/AG/HF/FM/CD		14 pcs = 7 pairs	6738025
MultiGas+ (OV/AG/HF/FM/CD/AM/MA/HS)		14 pcs = 7 pairs	6738351
Combination Filters			
OV/P100		14 pcs = 7 pairs	6738034
AM/MA/P100		14 pcs = 7 pairs	6738037
OV/AG/HF/FM/CD/P100		14 pcs = 7 pairs	6738035
MultiGas+ /P100 (OV/AG/HF/FM/CD/AM/MA/HS/P100)		14 pcs = 7 pairs	6738361
Accessories			
Pad Retainer (for use with pads)		12 pcs	6738038
Pad Base (for use with pads)		12 pcs	6738039
Pure Adapter (for use with gas cartridges to combine with Pure filters)		10 pcs	6738356

Air Purifying Respirators

Technical Data

Filter Color Code	Filter type	Contaminants present
	OV	Organic Vapors
	AG	Acid Gases: e.g. chlorine, hydrogen chloride, sulfur dioxide
	OV/AG	Organic Vapors/Acid Gases
	AM/MA	Ammonia/Methylamine
	MV	Mercury Vapor
	Multi-Gas	Multi-Gas and Vapor
	P100	Particles

Chemical Abbreviation

OV = Organic Vapors	FM = Formaldehyde
AG = Acid Gases	CD = Chlorine Dioxide
CL = Chlorine	AM = Ammonia
HC = Hydrogen Chloride	MA = Methylamine
SD = Sulfur Dioxide	HS = Hydrogen Sulfide
HF = Hydrogen Fluoride	PH = Phosphine

Air Purifying Respirators

Dräger X-plore® 6300 Full Face Mask

The Dräger X-plore® 6300 is an efficient, low-cost full face breathing mask intended for price-conscious users not wishing to compromise comfort or quality. This full face mask is the successor to the Panorama Nova Standard, a mask which has proven itself over decades of use worldwide—redesigned and improved with fresh colors and an integrated bar code.



ST-7497-2005

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 6300 Full Face Mask**Dräger X-plore® 6300**

Dräger X-plore® 6300 EPDM/PMMA	With PMMA lens and plastic frame	1 / box	R55800
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Accessories

Wikov V carrying box		1 / box	R51019
Spectacle Kit (frame and holder)		1 / box	R51548
Anti-fog liquid gel (50 ml)		1 / box	R52560
DAISYquick cleaning cloths (pack of 10)		1 / box	R54134

The compatible Dräger X-plore® Rd40 (RA) filter series with standard thread connection as per EN 148-1 includes an extensive range of different particle, gas and combination filters.

Technical Data

Mask body	Highly resistant and hypoallergenic EPDM
Visor	Scratch-resistant plexiglass (PMMA)
Connector	Sturdy plastic with inhalation and exhalation valve, standard thread connection Rd 40 as per EN 148-1
Weight	Approx. 550 – 650 g (depending on visor/frame)
Tested and approved	NIOSH 42 CFR 84

Air Purifying Respirators

Dräger X-plore® 6530 Full Face Mask

Especially durable with wide panoramic view: Dräger X-plore® 6530 is an exceptional full face mask for professional use in the most versatile applications.



ST-7499-2005

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 6530 Full Face Mask**Dräger X-plore® 6530**

Dräger X-plore® 6530 EPDM/PC	With PC visor and plastic frame	1 / box	R55795
Dräger X-plore® 6530SS EPDM/PC	With PC visor and stainless steel frame	1 / box	R51525

Accessories

Wikov V carrying case		1 / box	R51019
Spectacle Kit (frame and holder)		1 / box	R51548
Lens covers (set of 25), self-adhesive		25 / box	4055092
Anti-fog liquid gel (50 ml)		1 / box	R52560
DAISYquick cleaning cloths		10 / box	R54134
Welding shield for use with SS frame		1 / box	4053437

The compatible Dräger X-plore® Rd40 filter series with standard thread connection as per EN 148-1 includes an extensive range of different particle, gas and combination filters.

Technical Data

Mask body	Highly resistant and hypoallergenic EPDM
Visor	Impact resistant polycarbonate
Connector	Sturdy plastic with inhalation and exhalation valve, standard thread connection Rd 40 as per EN 148-1
Weight	Approx. 1.1 lb.
Tested and approved	NIOSH 42 CFR 84

Air Purifying Respirators

Dräger X-plore® 6570 Full Face Mask

The Dräger X-plore® 6570 is the high-comfort silicone full face mask used by professionals in a wide variety of applications. It meets the highest demands of quality, reliability, secure fit, and comfort. This full face mask is the successor to the Panorama Nova masks, a range which has proven itself over decades of use worldwide.



ST7501-2005

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 6570 Full Face Mask**Dräger X-plore® 6570**

Dräger X-plore® 6570 SI/PC	Blue silicone mask with PC visor, plastic frame	1 / box	R55790
Dräger X-plore® 6570SS SI/PC	Yellow silicone mask with PC visor, SS frame	1 / box	R51535

Accessories

Wikov V carrying case		1 / box	R51019
Protex mask bag		1 / box	R54939
Spectacle Kit (frame and holder)		1 / box	R51548
Lens covers (set of 25), self-adhesive		1 / box	4055092
Anti-fog liquid gel (50 ml)		1 / box	R52560
DAISYquick cleaning cloths (pack of 10)		1 / box	R54134
Welding shield for use with SS frame		1 / box	4053437

The compatible Dräger X-plore® Rd40 filter series with standard thread connection as per EN 148-1 includes an extensive range of different particle, gas and combination filters.

Technical Data

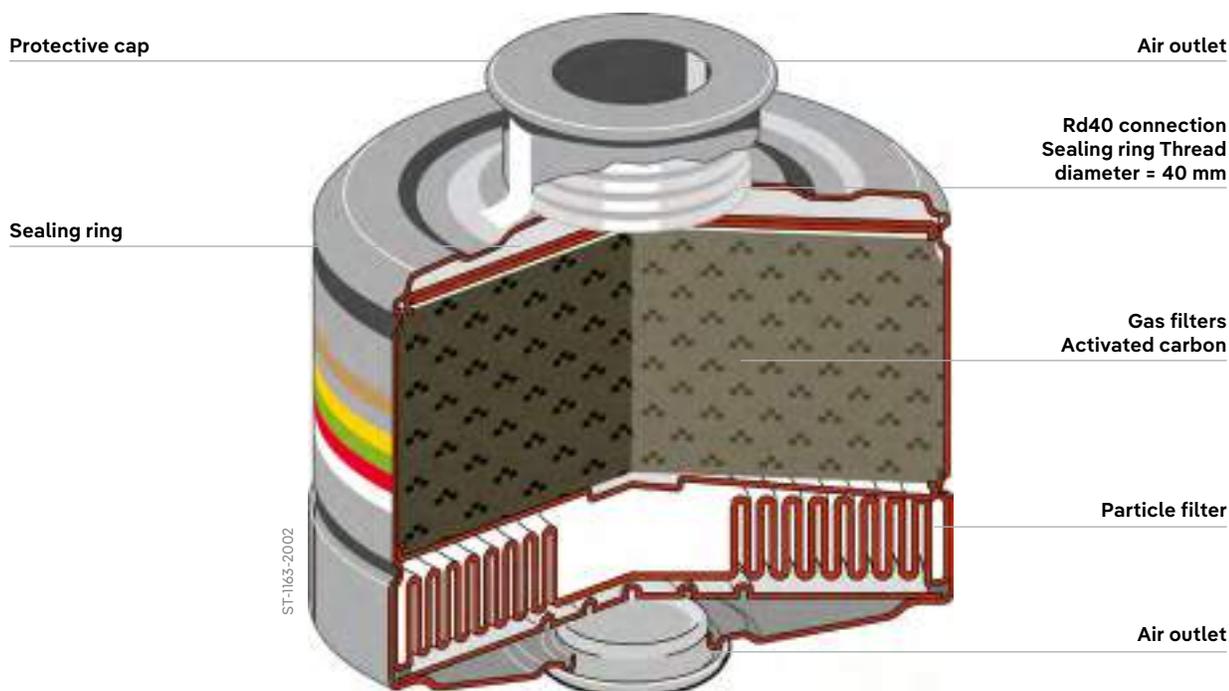
Mask body	Skin-friendly silicone, which is highly flexible at high/low temperatures
Visor	Choice of impact-resistant polycarbonate or extremely temperature- and chemical-resistant triplex
Connector	Sturdy plastic with inhalation and exhalation valve, standard thread connection Rd 40 as per EN 148-1
Weight	1.1–1.3 lb. (depending on visor/frame)
Tested and approved	NIOSH 42 CFR 84

Air Purifying Respirators

Dräger X-plore® Rd40 Filters

NIOSH

Whether used in chemical industry or automobile industry, shipbuilding, metal processing industry, or by public utility services—for decades Dräger respiratory protection filters have been a synonym for experience and safety worldwide. They clean breathable air from contaminants in a low-cost and effective manner.



Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® RD40 Filters

Particle Filters

P100

8 / box

6737013

Combination Filters

Phosphine/Tear Gas/P100 Canister

6 / box

6737360

Air Purifying Respirators

Dräger CDR 4500 Full Face Mask

The Dräger CDR 4500 full face mask, combined with our CBRN Cap 1 canister, provides a CBRN approved combination specially developed for use in civil defense and civil protection.



Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger CDR 4500 Series Single Filter Mask

Dräger CDR 4500			
Dräger CDR 4500 (black plastic frame)		1 / box	R55440
Dräger CDR 4500 (black steel lens frame), small		1 / box	R55575
Dräger CDR 4500 (black steel lens frame), medium		1 / box	R55710
Dräger CDR 4500 (black steel lens frame), large		1 / box	R55580
CBRN Cap 1 canister		1 / box	3703226
Accessories			
Protex mask bag		1 / box	R54939
Wikov V mask box		1 / box	R51019
Spectacle kit		1 / box	R51548
Anti-fog spray (50 ml)		1 / box	R56542

Technical Data

Mask as a whole	High chemical resistance according to EN 136, resistance even against warfare agents (to NIOSH CBRN standard). High ageing resistance. Used in conjunction with CBRN Cap 1 canister.
Mask body	Silicone-free elastomer
Sealing frame	Double seal with triple sealing line for comfortable, tight fit
Visor	Impact-resistant polycarbonate (PC) with anti-scratch coating on both sides for high chemical resistance. Large field of vision and excellent quality of vision.
Canister connection	Standard thread NATO 40 mm
Weight	Approx. 500 g (without canister)
Harness	5-point (large adjusting points to prevent trapping of hair)
Neck strap	As standard
Speech diaphragm	Stainless steel, high speech quality
Approvals	NIOSH CBRN standard (TC-14G-0286) also approved to EN 136 Cl. 3, CE mark

Air Purifying Respirators

Dräger X-plore® 8000 Powered Air-Purifying Respirator (PAPR)

Workplace environments that compromise the quality of air you breathe demand reliable solutions. The Dräger X-plore® 8000 powered air-purifying respirator (PAPR) offers a new level of intuitive handling combined with intelligent electronics. The result? A high degree of safety that workers need to focus on the task at hand.



D-16583-2024

Intelligent Electronics

Two-level alarm. Automatic flow check and calibration.

Lithium-ion technology

Operating time up to 20 hours depending on the working conditions and system set-up

Robust Design

Shock absorbing design. Rated for 10,000 hours of use. IP65 protection.

Filter recognition

Advanced sensor technology recognises the correct filter and displays particle filter life

Hose identification

Automatic adjustment of minimum flow rate for attached headpiece

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
Dräger X-plore® 8000 PAPR			
Blowers	Dräger X-plore® 8500 (IP)	1 / box	R59500
	Dräger X-Plore 8700 (EX)	1 / box	R59550
Batteries	Dräger X-plore® 8000 High-capacity battery	1 / box	R59585
	Dräger X-Plore 8000 High-capacity battery (EX)	1 / box	R59595
Charger	Dräger X-plore® 8000 Standard charger	1 / box	R59780
Carrying systems	Dräger X-plore® 8000 Standard belt	1 / box	R59700
	Belt extension for X-plore® 8000 Standard belt	1 / box	R59750
	Dräger X-plore® 8000 Comfort pad	1 / box	R59730
	Dräger X-plore® 8000 Decon belt	1 / box	R59710
	Belt extension for X-plore® 8000 Decon belt	1 / box	R59760
	Dräger X-plore® 8000 Welding belt	1 / box	R59720
	Dräger X-plore® 8000 Shoulder Harness	1 / box	R59740
Breathing hoses			
Standard hoses	Dräger X-plore® 8000 Standard hose (for Tight-fitting headpieces)	1 / box	R59630
	Dräger X-plore® 8000 Standard hose (for Helmets and Hoods)	1 / box	R59620
Flexible hoses	Dräger X-plore® 8000 Flexible hose (for Tight-fitting headpieces)	1 / box	R59610
	Dräger X-plore® 8000 Flexible hose (for Helmets and Hoods)	1 / box	R59600
Filter			
Prefilter	Dräger X-plore® 8000 Prefilter	50 / box	6739730
Odor-Filter	Dräger X-plore® 8000 Odor-Filter	10 / box	6739605
	Dräger X-plore® 8000 Odor-Filter, Set	5 / box	6739735
Particulate filter	Dräger X-plore® 8000 HE	4 / box	6739540
Gas filter	Dräger X-plore® 8000 OV	4 / box	6739575
	Dräger X-plore® 8000 MultiGas (CL/HF/AM/MA/FM/HS/SD/HC)	4 / box	6739590
	Dräger X-plore® 8000 OV/HE	4 / box	6739560
Combination filter	Dräger X-plore® 8000 OV/AG/HE	4 / box	6739565
	Dräger X-plore® 8000 MultiGas HE (CL/HF/AM/MA/FM/HS/SD/HC/HE)	4 / box	6739570

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Accessories

Dräger X-Plore 8000 Blower cover pouch		1 / box	R59880
Dräger X-plore® 8000 Hose cover, disposable		10 / box	R59670
Dräger X-plore® 8000 Hose cover, spark proof		1 / box	R59660

Please adhere to the instructions for use to ensure the required safety precautions for specific applications fulfilled. Applications sets, multi-chargers, and additional accessories are also available.

Hoods	See separate product information sheet: Dräger X-plore® 8000 Hoods
Helmets	See separate product information sheet: Dräger X-plore® 8000 Helmets and Headpieces

Technical Data

Approvals	NIOSH 42 CFR 84 with Dräger X-plore 8000® hoods, helmets, X-plore® 6000 and FPS 7000 full-face masks CSA Certification (X-plore 8700 only) * Ex ib IIB T4 Gb Ex ib IIIB 135°C Db Class I, Zone 1, AEx ib IIB t4 Gb Zone 21, AEx ib IIIB 135°C Db
Ingress protection	IP65 (dust-tight and resistant to water jets from all sides)
Airflow	Automatic setting of operating type: loose- or tight-fitting headpiece; Adjustable in three levels: Full-face mask: 115, 130 or 145 l/min Hoods and Helmets: 170, 190 or 210 l/min
Battery technology	Lithium-ions: 10.8 V/6.8 Ah (high-capacity battery)
Operating time**	High-capacity battery: 8 to 20 hours
Charging time	In 4 hours (in 2 hours 80% can be reached)
Weight	Dräger X-plore® 8500 incl. standard battery and splash guard lid: approx. 3 lbs Dräger X-plore® 8700 incl. standard battery (EX) and splash guard lid: approx. 3.3 lbs
Alarm system	Optical alarm (operating display) Acoustical alarm ≥ 80 dB(A) at 3.3 ft. Vibration alarm
Belt length	Adjustable between 27.5 in. and 55 in. (standard and decontamination version)
Belt extension	13.8 in. (35 cm) (standard and decontamination version)

* Standard long hoods, disposable hose cover and welding visor must not be used in potentially explosive atmospheres.

** Depending on the adjusted flow and the concentration of contaminants

Air Purifying Respirators

Dräger X-plore® 8000 headpieces

Hoods, helmets, visors and masks

The more comfortable you are, the better you can do your job. The innovative Dräger X-plore® 8000 headpieces are an integral part of our new powered air purifying respirator (PAPR). Both the loose- and tight-fitting series offer robust, effective protection along with a high degree of comfort.

Low-noise material

Standard and premium hoods are made of soft and comfortable low-noise material

Secure fit

Comfortable fit even when you are moving, due to ergonomic design

Low distortion

Spacer on top of the visor gives the visor a defined curvature to reduce distortion

Guided air inlet

Wind deflector inside the hose connector leads the air away from your head to eliminate feeling cold at a single spot

High protection level

All hoods approved as TH3

Perfect fit

All hoods available in two different sizes



D-119009-2013

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Dräger X-plore® 8000 Headpieces

Hoods			
Standard hoods	Dräger X-plore® 8000 Standard hood, short (S/M)	4 / box	R59800
	Dräger X-plore® 8000 Standard hood, short (L/XL)	4 / box	R59810
	Dräger X-plore® 8000 Standard hood, long (S/M)	4 / box	R59820
	Dräger X-plore® 8000 Standard hood, long (L/XL)	4 / box	3723795
Premium hoods	Dräger X-plore® 8000 Premium hood, short (S/M)	4 / box	R59840
	Dräger X-plore® 8000 Premium hood, short (L/XL)	4 / box	R59850
	Dräger X-plore® 8000 Premium hood, long (S/M)	4 / box	R59860
	Dräger X-plore® 8000 Premium hood, long (L/XL)	4 / box	R59870
Accessories			
Sweatband for Dräger X-plore® 8000 Premium hood		10 / box	R59862
Protective foils for Dräger X-plore® 8000 hood		10 / box	R59863

Full face masks			
Dräger X-plore® 6300 EPDM/PMMA		1 / box	R55800
Dräger X-plore® 6530 EPDM/PC		1 / box	R55795
Dräger X-plore® 6570 SI/PC		1 / box	R55790
Dräger FPS® 7000 EPDM-SI-PC-CR		1 / box	R56502
Dräger FPS® 7000 EPDM-M2-PC-CR		1 / box	R56310
Dräger FPS® 7000 EPDM-L2-PC-CR		1 / box	R56503

X-plore is a trademark of Dräger.

Air Purifying Respirators

Technical Data

Dräger hoods

Approval – respiratory protection	NIOSH 42 CFR Part 84
Hood material	Standard hoods: PP/PE Premium hoods: PA, PU-coated
Visor material	PC
Size	Size S/M (scope 20.4 in. (52 cm) up to 23.2 in. (59 cm) Size L/XL (scope 22.4 in. (57 cm) up to 25.2 in. (64 cm)
Weight	Short hoods, standard: approximately 5.1 oz. (145 g) Short hoods, premium: approximately 7.0 oz. (200 g) Long hoods, standard: approximately 7.2 oz. (205 g) Long hoods, premium: approximately 13.6 oz. (390 g)
Temperature range (operation)	14°F (-10°C) to 140°F (+60°C)
Head harness	Adjustable strap (neck area and above the head), sweatband, removable (area of the forehead)
Hose connection	Hose nozzle Dräger X-plore® 8000 (behind)
Air outlet	Permeable material in the chin area

Dräger full-face masks

Approval	NIOSH 42 CFR Part 84
Mask body	Robust and skin-friendly EPDM (Dräger X-plore® 6300, 6530, FPS® 7000); skin-friendly silicone, which is highly flexible at high/low temperatures (Dräger X-plore® 6570)
Visor	Scratch-proof PMMA (Dräger X-plore® 6300), impact-resistant PC (Dräger X-plore® 6530, 6570, FPS® 7000)
Size	Universal size (Dräger X-plore® 6000 masks) Sizes S, M and L (FPS® 7000)
Weight	About 17.6 oz. (500 g) up to 23.0 oz. (650 g) (depending on the model)
Head harness	5-point head harness made of SI or EPDM
Hose connection	Standard thread connection Rd40 (RA) according to EN 148-1
Air outlet	Exhalation valve

Air Purifying Respirators

Dräger X-plore® 8000 helmets

Head pieces for PAPR and airline systems

The Dräger X-plore® 8000 headpieces offer integrated respiratory protection which can be combined with various components and accessories to provide protection for head, eye, face and ears. With our portfolio of helmets, bump cap and hoods the X-plore® 8000 system can be customized to best fit your application and provide the safety and comfort needed.



Adjustable air outlet

To direct airflow for personal level of comfort

Optimal comfort

The helmet has three components to provide safety: outer shell, foam padding and inner liner. The design offers even weight distribution.

comfort field of view

Large panoramic visor allows larger viewing area and better peripheral vision. Anti-fog and anti-scratch coating ensures durability.

Flip up visor

Allows user to open the front of the helmet when required

Customised fit

The head suspension ratchet can be tightened for snug fit

Headpiece attachments

Several attachments to choose from to provide the required level of protection

Guided air

Even airflow inside head pieces offers comfort and avoids fatigue

D-119009-2013

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
Dräger X-plore® 8000 Headpieces			
	Dräger X-plore® 8000 Helmet PC visor L1Z		3710775
	Dräger X-plore® 8000 Helmet PC visor L2Z		3710780
	Dräger X-plore® 8000 Helmet PC visor L3Z		3710785
	Dräger X-plore® 8000 Helmet PC visor L2T2		3710790
	Dräger X-plore® 8000 Helmet PC visor L3T4		3710795
	Dräger X-plore® 8000 Helmet for hood		3710800
	Dräger X-plore® 8000 Bump cap for hood		3710805
Accessories			
	Dräger X-plore® 8000 Hood for helmet, T4		3710774
	Dräger X-plore® 8000 Hood for helmet, T2		3710776
	Dräger X-plore® 8000 Earmuffs		3710777
	Protective foil Dräger X-plore® 8000 Hood for helmet		3710778
	Protective foil Dräger X-plore® 8000 Helmet with visor		3710779
Spare parts			
	Dräger X-plore® 8000 Helmet seal L1Z		3710781
	Dräger X-plore® 8000 Helmet seal L2Z		3710782
	Dräger X-plore® 8000 Helmet seal L3Z		3710783
	Dräger X-plore® 8000 Helmet seal L2T2		3710784
	Dräger X-plore® 8000 Helmet seal L3T4		3710786
	Dräger X-plore® 8000 PC visor for helmet		3710787
	Dräger X-plore® 8000 Rigid foam shell		3710788
	Dräger X-plore® 8000 Sweat pad for helmets		3710789
	Dräger X-plore® 8000 Comfort padding		3710791
	Dräger X-plore® 8000 Assembly clips hood for helmet		3710792
	Dräger X-plore® 8000 Visor frame for helmet		3710793
	Dräger X-plore® 8000 Sealing for helmet with visor		3710794
	Dräger X-plore® 8000 Head harness for helmets		3710796
	Dräger X-plore® 8000 Assembly clips for earmuffs		3710797

Air Purifying Respirators

Product	Description	Packaging unit/type	Order No.
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Technical Data

Model	Dräger X-plore® 8000 Helmet with visor		Dräger X-plore® 8000 Helmet-/ Bump-Cap-Hood-Combination	
	Zytec®	Tychem®	Helmet-Hood-Combination	Bump-Cap-Hood-Combination
Length - Helmet seal	Short (L1Z), middle (L2Z), long (L3Z)	Middle (L2T2), long (L2T4)	Long	Long
Material - Helmet seal	Zytec® FR	Tychem® 2000 / Tychem® 4000	Tychem® 2000 / Tychem® 4000	Tychem® 2000 / Tychem® 4000
Material - Visor	PC	PC	PETG	PETG
Material - Helmet	PA	PA	PA	PA
Material - Visor frame	ABS	ABS	ABS	ABS
Material - Comfort padding	Foam material (EVA) with Lycra			
Material - Rigid foam shell	PS	PS	PS	PS
Visor size	10.2" x 6.6"	10.2" x 6.6"	11.8" x 9"	11.8" x 9"
Temperature range (operation)	23 °F to 122 °F			
Head harness	Ratchet, adjustable (8.3" – 9.4")			
Air inlet	Hose connector at the back			
Air distribution	Air duct over the head, adjustable at the outlet	Air duct over the head, adjustable at the outlet	Air duct over the head, adjustable at the outlet	Air duct over the head, adjustable at the outlet
Air outlet	Permeable, width-adjustable textile cuff in the chin/neck area	Permeable, width-adjustable textile cuff in the chin/neck area	Permeable, width-adjustable textile cuff in the chin/neck area	Permeable, width-adjustable textile cuff in the chin/neck area
Colour	Grey (Helmet seal: grey)	Grey (Helmet seal: white)	Grey (Hood: white)	Grey (Hood: white)
Weight	L1Z: 2 lbs L2Z: 2.2 lbs L3Z: 2.5 lbs	L2T2: 2.1 lbs L3T4: 2.1 lbs	with hood T2: 1.7 lbs with hood T4: 1.9 lbs	with hood T2: 1.5 lbs with hood T4: 1.7 lbs

Tychem® is a registered trademark of E.I. Du Pont de Nemours and Co.

Zytec® is a registered trademark of RPB Safety, LLC.

Air Purifying Respirators

Technical Data

Model	Dräger X-plore® 8000 Helmet with visor		Dräger X-plore® 8000 Helmet-/ Bump-Cap-Hood-Combination	
	Zytec®	Tychem®	Helmet-Hood- Combination	Bump-Cap-Hood- Combination
Max. storage	5 years	5 years	5 years	5 years
Max. usage	3 years	3 years	3 years	3 years
Approval - Respiratory protection	NIOSH 42 CFR 84	NIOSH 42 CFR 84	NIOSH 42 CFR 84	NIOSH 42 CFR 84
Approval - Head protection	EN 397 (-30 °C LD MM 440V a.c.)	EN 397 (-30 °C LD MM 440V a.c.)	EN 397 (-30 °C LD)	EN 812
	ANSI Z89.1 (Type 1 Class G)	ANSI Z89.1 (Type 1 Class G)	ANSI Z89.1 (Type 1 Class G)	
Approval - Eye protection	1 BT 9 3 – EN 166 ANSI Z87+	1 BT 9 3 – EN 166 ANSI Z87+	2 F 3 – EN 166 ¹	2 F 3 – EN 166 ¹

¹ Meets the technical requirements, certification pending

Earmuffs*

Damping value**	SNR: 33 dB H: 37 dB M: 30 dB L: 23 dB
Material - Capsule (outside)	ABS
Material - Padding	Foam material (EVA)
Material - Mounting hook	Metal
Weight	0.48 lbs
Size	Universal size
Approval	EN 352-3, ANSI S3.19

* for mounting on the helmet

** SNR = Single Number Rating (the average damping of a hearing protector and thus the average protective effect against the noise).

H = Damping value high frequencies

M = Damping value middle frequencies

L = Damping value low frequencies

Self Contained Breathing Apparatus

Supplied Air Respirators

Dräger PAS® Colt	46
Dräger X-plore® 9300 and PAS X-plore®	49

NIOSH SCBA

Dräger PAS® Lite	55
Dräger PSS® 3000	58

NFPA-Certified SCBA

Dräger PSS® 5000	61
Dräger PSS® 7000	63

Secor 7000	65
Panorama Nova Dive	68
PSS® BG 4 plus	70

Dräger FPS®-COM 5000	73
Dräger FPS®-COM 7000	75

Self Contained Breathing Apparatus



Breathe easy – independent of the air around you.

Combining comfort with exceptional performance, it is designed for applications where simplicity and ease of use are essential. Lightweight yet robust, and easy to wear, this advanced breathing apparatus provides the ultimate breathing protection.

These products supply the wearer with breathable air from a compressed air vessel or through a pneumatic system connected with hoses. When selecting SCBAs, it's important to consider that you need as much protection as necessary with as little weight as possible – so you can get the job done without hindrance.

Self Contained Breathing Apparatus

Dräger PAS® Colt Short Term Breathing Apparatus

Combining versatility, ease-of-use, and the latest in breathing apparatus design, Dräger's PAS® Colt is among the most technologically advanced, short duration, and emergency escape units available.



Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
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Dräger PAS® Colt

Dräger PAS® Colt			
PAS® Colt SAR w/ Panorama Nova® Mask, Hansen Brass		1/box	4057628
PAS® Colt SAR w/ NO Mask, Hansen Brass		1/box	4057629
PAS® Colt SAR w/ NO Mask, CEJN		1/box	VN00745
PAS® Colt 5 min w/ Panorama Nova® Mask, 2216 PSI Cylinder, Hansen Brass		1/box	4046205
PAS® Colt 5 min w/ NO Mask, 2216 PSI Cylinder, Hansen Brass		1/box	4046206
PAS® Colt 5 min w/ NO Mask or Cylinder, CEJN		1/box	VN00746
PAS® Colt 5 min w/ NO Mask or Cylinder, CEJN and ASV		1/box	VN00747
PAS® Colt 5 min w/ NO Mask or Cylinder, Hansen Brass and ASV		1/box	VN00748
PAS® Colt 10 min w/ Panorama Nova® Mask, 3000 PSI Cylinder, Hansen Brass and ASV		1/box	4046209
PAS® Colt 10 min w/ NO Mask, 3000 PSI Cylinder, Hansen Brass and ASV		1/box	4046210
PAS® Colt 10 min w/ NO Mask or Cylinder, CEJN		1/box	VN00749
PAS® Colt 10 min w/ NO Mask or Cylinder, CEJN and ASV		1/box	VN00750
PAS® Colt 10 min w/ NO Mask or Cylinder, Hansen Brass		1/box	VN00751
Configurable Pas Colt (eg. Escape Only Versions, Alternate Airline Fittings, etc.)		1/box	R62985
Cylinders for Dräger PAS® Colt			
5 min, 2216 PSI Aluminum Cylinder w/ Standard Valve		1/box	4054744
5 min, 2216 PSI Aluminum Cylinder w/ SCBA Style Valve		1/box	4057549
10 min, 3000 PSI Aluminum Cylinder w/ Standard Valve		1/box	4055061
Facepieces for Dräger PAS® Colt			
Panorama Nova, EPDM		1/box	R52972
FPS 7000 Small, EPDM		1/box	R56249
FPS 7000 Medium, EPDM		1/box	R56200
FPS 7000 Large, EPDM		1/box	R56300
Airline Hose for Dräger PAS® Colt			
50' Light Duty Airline Hose w/ CEJN Fittings		1/box	VN00739
50' Light Duty Airline Hose w/ Hansen Brass Fittings		1/box	VN00740
100' Light Duty Airline Hose w/ CEJN Fittings		1/box	VN00743
100' Light Duty Airline Hose w/ Hansen Brass Fittings		1/box	VN00744
50' Heavy Duty Airline Hose w/ CEJN Fittings		1/box	VN00737
50' Heavy Duty Airline Hose w/ Hanse Brass Fittings		1/box	VN00738
100' Heavy Duty Airline Hose w/ CEJN Fittings		1/box	VN00741
100' Heavy Duty Airline Hose w/ Hansen Brass Fittings		1/box	VN00742
Configurable Airline Host (eg. Different Lengths, Alternate Airline Fittings, etc.)		1/box	R62939

Self Contained Breathing Apparatus

Technical Data

Standard	NIOSH 42 CFR part 84 - 19C	NIOSH 42 CFR part 84 - 13F
Weight (lb.)	3.5 lbs	5.5 lbs
Input Pressure Cylinder (PSI)	NA	2216 or 3000 PSI
Input Pressure Airline (PSI)	87-130.5 PSI	87-130.5 PSI
Nominal 1st stage output Pressure (PSI)	101.5 PSI	101.5 PSI
1st stage output Flow (l/min)	>600	>600
LDV Output flow (l/min)	>400	>400
Whistle activation pressure (PSI)	58-72.5 PSI	798-870 PSI
Whistle Sound Level (dBA)	>90	>90
Whistle Frequency Range (Hz)	2,000-4,000	2,000-4,000
Operating Temperature Range	-25.6 °F to 158 °F (-32 °C to 70 °C)	-25.6 °F to 158 °F (-32 °C to 70 °C)

Self Contained Breathing Apparatus

Dräger X-plore® 9300 & PAS X-plore® Airline System

The Dräger X-plore® 9300 and PAS X-plore® are designed for light duty industrial applications and provide comfortable and reliable respiratory protection. Thanks to such features as the unique safe-flow reducer and auto-test function, wearers can enjoy more operating convenience, safety and flexibility.

Range comes with
Safe-low and Auto-test
Ensures correct airflow –
no need for pre-testing by user

Protected low adjust mechanism
Provides additional airflow to
the wearer for improved comfort



Simple and easy connection
Compatible to standard Dräger
X-plore® 8000 loose - fitting
headpieces or select tight
fitting masks

NIOSH Approved

Range of input coupling
options to suit customer needs

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Manifold sets -Preconfigured			
X-plore® 9300 with Hansen brass connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen brass adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)			VN01264
X-plore® 9300 with Hansen stainless connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen stainless steel adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)			VN01265
X-plore® 9300 with Schrader/ Foster connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Schrader/ Foster adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)			VN01266
X-plore® 9300 with CEJN connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, CEJN adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)			VN01268
PAS X-plore® with Hansen brass connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, Hansen brass adapter fitting (tight fitting mask, and airline hose ordered separately)			VN01269
PAS X-plore® with Hansen stainless connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, Hansen stainless steel adapter fitting (tight fitting mask, and airline hose ordered separately)			VN01270
PAS X-plore® with Schrader/ Foster connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, Schrader/ Foster adapter fitting (tight fitting mask, and airline hose ordered separately)			VN01273
PAS X-plore® with CEJN connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, CEJN adapter fitting (tight fitting mask, and airline hose ordered separately)			VN01274
Connecting hose (X-plore® 9300)			
X-plore® 8000 Flexible hose (Helmet/Hood)		1/box	R59600
X-Plore 8000 Standard hose (Helmet/Hood)		1/box	R59620
Hoods - loose fitting headpiece (X-plore® 9300)			
X-plore® 8000 Standard hood, short (S/M)		4/box	R59800
X-plore® 8000 Standard hood, short (L/XL)		4/box	R59810
X-plore® 8000 Standard hood, long (S/M)		4/box	R59820
X-plore® 8000 Standard hood, long (L/XL)		4/box	3723795
X-plore® 8000 Premium hood, short (S/M)		4/box	R59840
X-plore® 8000 Premium hood, short (L/XL)		4/box	R59850
X-plore® 8000 Premium hood, long (S/M)		4/box	R59860
X-plore® 8000 Premium hood, long L/XL		4/box	R59870
X-plore® 8000 Hood for helmet, T4		1/box	3710774
X-plore® 8000 Hood for helmet, T2		1/box	3710776

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Helmets -loose fitting headpiece (X-plore® 9300)			
X-plore® 8000 Helmet PC visor L1Z		1/box	VN01264
X-plore® 8000 Helmet PC visor L2Z		1/box	VN01265
X-plore® 8000 Helmet PC visor L3Z		1/box	VN01266
X-plore® 8000 Helmet PC visor L2T2		1/box	VN01268
X-plore® 8000 Helmet PC visor L3T4		1/box	VN01269
X-plore® 8000 Helmet for hood		1/box	VN01270
X-plore® 8000 Bump Cap for hood		1/box	VN01273
Masks -tight fitting (PAS X-plore®)			
FPS® 7000 Mask, EPDM, PC Visor, Small		1/box	3707928
FPS® 7000 Mask, EPDM, PC Visor, Medium		1/box	R56200
FPS® 7000 Mask, EPDM, PC Visor, Large		1/box	R56300
FPS® 7000 Mask, EPDM, APEC Visor (NFPA), Small		1/box	R61844
FPS® 7000 Mask, EPDM, APEC Visor (NFPA), Medium		1/box	R61845
FPS® 7000 Mask, EPDM, APEC Visor (NFPA), Large		1/box	R61846
Panorama® Nova Mask, EPDM, PC Visor		1/box	R52972
Panorama® Nova Mask, Silicone, PC Visor		1/box	R53070
Compressed airline hose - Preconfigured with couplings			
Air Hose, 25 Ft, Heavy Duty, CEJN		1/box	VN01183
Air Hose, 25 Ft, Heavy Duty, HANSEN BRASS		1/box	VN01185
Air Hose, 25 Ft, Heavy Duty, HANSEN SS		1/box	VN01187
Air Hose, 25 Ft, Heavy Duty, SCHRADER		1/box	VN01189
Air Hose, 25 Ft, Light Duty, CEJN		1/box	VN01184
Air Hose, 25 Ft, Light Duty, HANSEN BRASS		1/box	VN01186
Air Hose, 25 Ft, Light Duty, HANSEN SS		1/box	VN01188
Air Hose, 25 Ft, Light Duty, SCHRADER		1/box	VN01190
Air Hose, 50 Ft, Heavy Duty, CEJN		1/box	VN00737
Air Hose, 50 Ft, Heavy Duty, HANSEN BRASS		1/box	VN00738
Air Hose, 50 Ft, Heavy Duty, HANSEN SS		1/box	VN01191
Air Hose, 50 Ft, Heavy Duty, SCHRADER		1/box	VN01193
Air Hose, 50 Ft, Light Duty, CEJN		1/box	VN00739
Air Hose, 50 Ft, Light Duty, HANSEN BRASS		1/box	VN00740
Air Hose, 50 Ft, Light Duty, HANSEN SS		1/box	VN01192
Air Hose, 50 Ft, Light Duty, SCHRADER		1/box	VN01194
Air Hose, 100 Ft, Heavy Duty, CEJN		1/box	VN00741
Air Hose, 100 Ft, Heavy Duty, HANSEN BRASS		1/box	VN00742
Air Hose, 100 Ft, Heavy Duty, HANSEN SS		1/box	VN01195
Air Hose, 100 Ft, Heavy Duty, SCHRADER		1/box	VN01197
Air Hose, 100 Ft, Light Duty, CEJN		1/box	VN00743
Air Hose, 100 Ft, Light Duty, HANSEN BRASS		1/box	VN00744
Air Hose, 100 Ft, Light Duty, HANSEN SS		1/box	VN01196
Air Hose, 100 Ft, Light Duty, SCHRADER		1/box	VN01198

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Accessories			
X-plore® 8000 earmuffs		1/box	3710777
Hairnet, FPS 7000 NFPA		1/box	R56197
Spectacle kit, P-Nova		1/box	R51548
Welding shield, FPS 7000		1/box	R58707
Welding shield, P-Nova		1/box	4053437
LDV holder		1/box	3357527
Transponder RFID disk		1/box	R56375
Transport bag, black		1/box	R53373
Standard Waist Belt, Size Medium 50 in (1280 mm)		1/box	3363680
Waist belt			
Standard Waist Belt, Size Medium 50 in (1280 mm)		1/box	3363680
Standard Waist Belt, Size Large 70 in (1780 mm)		1/box	3363682
Decon Waist Belt, Size Medium 50 in (1280 mm)		1/box	3363681
Decon Waist Belt, Size Large 70 in (1780 mm)		1/box	3363683
Leather Waist Belt, Size Medium 48 in (1220 mm)		1/box	3363461
Leather Waist Belt, Size Large 56 in (1420mm)		1/box	3363462
Comfort padding		1/box	3363425
LDV (PAS X-plore®)			
Lung demand valve (LDV)		1/box	3338712
Manifold			
X-plore® 9300 US, manifold only, threaded (no fitting adapter)		1/box	3723104
PAS X-plore® US, manifold only, threaded (no fitting adapter)		1/box	3723029
Adapter- manifold to hose			
Adapter, ¼" ANPT, Hansen Brass		1/box	4059051
Adapter, ¼" ANPT, Hansen (Stainless Steel)		1/box	4050437
Adapter, ¼" ANPT, Schrader, Foster		1/box	4059054
Adapter, ¼" ANPT, CEJN		1/box	4059080
Adapter, ¼" ANPT, Snaptite		1/box	4059056
Couplings			
QD Hansen Brass, Socket and Union		1/box	4059247
QD Hansen Brass, Plug and Nut		1/box	4059248
QD Hansen (SS), Socket and Union		1/box	4050835
QD Hansen (SS), Plug and Nut		1/box	4050836
QD Snaptite, Socket and Union		1/box	4059251
QD Snaptite, Plug and Nut		1/box	4059252
QD Schrader, Socket and Union		1/box	4059249
QD Schrader, Plug and Nut		1/box	4059250
QD Foster (SS), Socket and Union		1/box	4051993
QD Foster (SS), Plug and Nut		1/box	4051992
QD CEJN, Socket and Union		1/box	4059253
QD CEJN, Plug and Nut		1/box	4059254

Compressed airline hose available in 5, 25, 50, and 100 Ft lengths

Self Contained Breathing Apparatus

Technical Data

General	Dräger X-plore® 9300	Dräger PAS X-plore®
Material properties	Anti-static	Anti-static
Manifold	Brass (Ni plated)	Brass (Ni plated)
Cover	Nylon 6/6	Nylon 6/6
Waistbelt standard	Polyester	Polyester
Waistbelt decontamination	PTFE coated polyester	PTFE coated polyester
Waistbelt leather	Leather	Leather
Measurements belt unit - Medium (Standard and Decon)	1 ½ in W x 29.5 -50 in L (38 mm x 750-1280 mm)	1 ½ in W x 29.5 -50 in L (38 mm x 750-1280 mm)
Measurements belt unit - Large (Standard and Decon)	1 ½ in x 29.5 -70 in L (38 mm x 750-1780mm)	1 ½ in x 29.5 -70 in L (38 mm x 750-1780mm)
Measurements belt unit - Medium (Leather)	1 ½ in W x 39.5 - 48 L (38mm x 1000-1220 mm)	1 ½ in W x 39.5 - 48 L (38mm x 1000-1220 mm)
Measurements belt unit - Large (Leather)	1 ½ in W x 39.5 - 56 L (38mm x 1000-1420 mm)	1 ½ in W x 39.5 - 56 L (38mm x 1000-1420 mm)
Weight	1.1 lb (< 0.5 kg)	1.1 lb (< 0.5 kg)
Approvals	The equipment conforms to OSHA 42 CFR 84, NIOSH 19C. The product is approved for use as a supplied airline respirator (SAR) system, and must only be used in the Dräger configurations approved by NIOSH.	

Technical Details

Recommended airline pressure	87 to 125 psi	87 to 125 psi
Minimum input pressure	The minimum input pressure depends on the hose length and number of couplings in line. Insufficient pressure supply is indicated by the warning whistle. Do not exceed an input pressure of 125 psi.	
Minimum input flow	7 cfm (200 l/min)	14 cfm (400 l/min)
Input coupling (standard)	Hansen Brass, Hansen Stainless, Schrader, CEJN	Hansen Brass, Hansen Stainless, Schrader, CEJN
Input coupling (optional)	Snaptite, Foster	Snaptite, Foster
Operating temperature	+15 °F to +140 °F (-9 °C to +60 °C)	-22 °F to +140 °F (-30 °C to +60 °C)
Storage temperature	-5 °F to +105 °F (-20 °C to +40 °C)	-5 °F to +105 °F (-20 °C to +40 °C)
Volume of warning whistle	> 90 dBA	> 90 dBA
Air supply hose requirement	5 feet to 300 feet of Dräger approved hose. The airline hose must not be made up of more than 12 individual hoses.	

Self Contained Breathing Apparatus

Required system components

Headpiece	Dräger X-plore® 8000 hoods	Dräger Panorama Nova
	Dräger X-plore® 8000 helmets	Dräger FPS 7000
Hose	Dräger X-plore® 8000 Hose	Lung demand valve
	Belt standard	Belt standard
Waistbelt	Belt decontamination	Belt decontamination
	Belt leather	Belt leather
	Dräger X-plore® 9300	Dräger PAS X-plore®
Airline belt manifold	Dräger X-plore® 9300	Dräger PAS X-plore®
Connection to external air source	Dräger medium pressure air supply hoses	Dräger medium pressure air supply hoses

Self Contained Breathing Apparatus

Dräger PAS® Lite Self-Contained Breathing Apparatus

For use in industrial applications where a simple, robust, and easy-to-use breathing apparatus is required, the Dräger PAS® Lite Self-Contained Breathing Apparatus (SCBA) combines reliability with comfort and performance.



Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Dräger PAS® Lite			
SCBA variants			
PAS® Lite with integrated Lung Demand Valve (LDV); Facemask and cylinder sold separately			
PAS® Lite – 2216 psi		1 / box	4046190
PAS® Lite – 4500 psi		1 / box	4046191
PAS® Lite with integrated Lung Demand Valve (LDV), Panorama Nova Facemask and 30-minute aluminum cylinder			
PAS® Lite Kit – 2216 psi without SCBA case		1 / box	4046192
PAS® Lite Kit – 2216 psi with SCBA case		1 / box	4046193
PAS® Lite with integrated Lung Demand Valve (LDV), integrated Charge-Air connection, 60-minute 4500 psi cylinder, FPS® 7000 Facemask, and mask storage bag			
PAS® Lite Charge-Air – 4500 psi		1 / box	40461909
PAS® Lite with integrated Lung Demand Valve (LDV) and integrated Airline complete with an automatic switchover valve (ASV); Facemask and cylinder sold separately			
PAS® Lite Airline – 2216 psi		1 / box	3358743
PAS® Lite Airline – 4500 psi		1 / box	3358744
PAS® Lite Configurable		1 / box	R62983
Cylinders for Dräger PAS® Lite			
2216 PSI, 30 min, Aluminum Cylinder, Yellow		1/box	4054856
2216 PSI, 30 min, Carbon Composite Cylinder, Yellow		1/box	4055701
2216 PSI, 30 min, Carbon Composite Cylinder, Clear Coated (Unpainted)		1/box	4058990
4500 PSI, 30 min, Carbon Composite Cylinder, Blue		1/box	4055700
4500 PSI, 30 min, Carbon Composite Cylinder, Clear Coated (Unpainted)		1/box	4058991
4500 PSI, 45 min, Carbon Composite Cylinder, Blue		1/box	4055698
4500 PSI, 45 min, Carbon Composite Cylinder, Clear Coated (Unpainted)		1/box	4058992
4500 PSI, 60 min, Carbon Composite Cylinder, Blue		1/box	4055699
4500 PSI, 60 min, Carbon Composite Cylinder, Clear Coated (Unpainted)		1/box	4058993
Custom Color and/or Logo Cylinders		1/box	On request
Facepieces for Dräger PAS Lite			
Panorama Nova, EPDM		1/box	R52972
FPS 7000 Small, EPDM		1/box	R56249
FPS 7000 Medium, EPDM		1/box	R56200
FPS 7000 Large, EPDM		1/box	R56300

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Airline Hose for Dräger PAS Lite			
	50' Light Duty Airline Hose w/ CEJN Fittings	1/box	VN00739
	50' Light Duty Airline Hose w/ Hansen Brass Fittings	1/box	VN00740
	100' Light Duty Airline Hose w/ CEJN Fittings	1/box	VN00743
	100' Light Duty Airline Hose w/ Hansen Brass Fittings	1/box	VN00744
	50' Heavy Duty Airline Hose w/ CEJN Fittings	1/box	VN00737
	50' Heavy Duty Airline Hose w/ Hanse Brass Fittings	1/box	VN00738
	100' Heavy Duty Airline Hose w/ CEJN Fittings	1/box	VN00741
	100' Heavy Duty Airline Hose w/ Hansen Brass Fittings	1/box	VN00742
	Configurable Airline Host (eg. Different Lengths, Alternate Airline Fittings, etc.)	1/box	R62939
Accessories for Dräger PAS Lite			
	PAS ASV Upgrade Kit for PAS Lite and PSS 3000	1/box	3358850
	LDV Holder	1/box	3357527
	Hard SCBA Storage Case, Orange	1/box	4059430
	Wall Mounting Kit for SCBA Storage Case (4059430)	1/box	4059442
	Soft SCBA Storage Duffle Bag	1/box	4057795
	Facepiece Carry Bag, Yellow Nylon w/ Belt Loops	1/box	4053847
	Facepiece Carry Bag, Blue Nylon w/ drawstring	1/box	4055785

Technical Data

Physical Specifications

Dimensions (H x W x D)	23.2 x 11.4 x 6.3 in. (59 x 29 x 16 cm)
Weight (including LDV)	5.95 lb. (2.70 kg)
Weight with Integrated PAS ASV (including LDV)	7.72 lb. (3.50 kg)
Input Pressure	2216 Psi, 4500 psi
Nominal 1st Stage Output Pressure	87-130 psi
1st Stage Output Flow	>1000 L/min
LDV Output Flow	>400 L/min
Whistle Activation Pressure	554 Psi, 1125 psi
Whistle Sound Level	>90 dBA
Approvals	NIOSH

Self Contained Breathing Apparatus

Dräger PSS® 3000

Self-Contained Breathing Apparatus

The Dräger PSS® 3000 is a new generation of high-performing breathing apparatus for industrial applications. Combining comfort with exceptional performance, it is designed for applications where simplicity and ease-of-use are essential. Lightweight yet robust, and easy to wear, this advanced breathing apparatus provides the ultimate breathing protection.



Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
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Dräger PSS® 3000

SCBA variants

PSS® 3000 Base SCBA; Lung Demand Valve (LDV), Facemask and cylinder sold separately

PAS® 3000 – 2216 psi (includes LDV)	1 / box	4046195
PAS® 3000 – 4500 psi (includes LDV)	1 / box	4046196

PSS® 3000 with integrated Charge-Air connection, Lung Demand Valve (LDV), 60-minute 4500 Psi cylinder, FPS® 7000 Facemask, and mask storage bag

PSS® 3000 Charge-Air – 4500 psi	1 / box	4046214
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PSS® 3000 with integrated Airline complete with an automatic switchover valve (ASV); Lung Demand Valve (LDV), Facemask and cylinder sold separately

PSS® 3000 Airline – 2216 psi	1 / box	4046200
PSS® 3000 Airline – 4500 psi	1 / box	4046202
PSS® 3000 Configurable	1 / box	R62982

Cylinders for Dräger PSS® 3000

2216 PSI, 30 min, Aluminum Cylinder, Yellow	1/box	4054856
2216 PSI, 30 min, Carbon Composite Cylinder, Yellow	1/box	4055701
2216 PSI, 30 min, Carbon Composite Cylinder, Clear Coated (Unpainted)	1/box	4058990
4500 PSI, 30 min, Carbon Composite Cylinder, Blue	1/box	4055700
4500 PSI, 30 min, Carbon Composite Cylinder, Clear Coated (Unpainted)	1/box	4058991
4500 PSI, 45 min, Carbon Composite Cylinder, Blue	1/box	4055698
4500 PSI, 45 min, Carbon Composite Cylinder, Clear Coated (Unpainted)	1/box	4058992
4500 PSI, 60 min, Carbon Composite Cylinder, Blue	1/box	4055699
4500 PSI, 60 min, Carbon Composite Cylinder, Clear Coated (Unpainted)	1/box	4058993
Custom Color and/or Logo Cylinders	1/box	On request

Cylinders for Dräger PSS® 3000

Panorama Nova, EPDM	1/box	R52972
FPS 7000 Small, EPDM	1/box	R56249
FPS 7000 Medium, EPDM	1/box	R56200
FPS 7000 Large, EPDM	1/box	R56300

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Airline Hose for Dräger PSS® 3000			
	50' Light Duty Airline Hose w/ CEJN Fittings	1/box	VN00739
	50' Light Duty Airline Hose w/ Hansen Brass Fittings	1/box	VN00740
	100' Light Duty Airline Hose w/ CEJN Fittings	1/box	VN00743
	100' Light Duty Airline Hose w/ Hansen Brass Fittings	1/box	VN00744
	50' Heavy Duty Airline Hose w/ CEJN Fittings	1/box	VN00737
	50' Heavy Duty Airline Hose w/ Hanse Brass Fittings	1/box	VN00738
	100' Heavy Duty Airline Hose w/ CEJN Fittings	1/box	VN00741
	100' Heavy Duty Airline Hose w/ Hansen Brass Fittings	1/box	VN00742
	Configurable Airline Host (eg. Different Lengths, Alternate Airline Fittings, etc.)	1/box	R62939
Accessories for Dräger PSS® 3000			
	PAS ASV Upgrade Kit for PAS® Lite and PSS® 3000	1/box	3358850
	LDV Holder	1/box	3357527
	Hard SCBA Storage Case, Orange	1/box	4059430
	Wall Mounting Kit for SCBA Storage Case (4059430)	1/box	4059442
	Soft SCBA Storage Duffle Bag	1/box	4057795
	Facepiece Carry Bag, Yellow Nylon w/ Belt Loops	1/box	4053847
	Facepiece Carry Bag, Blue Nylon w/ drawstring	1/box	4055785

Technical Data

Physical Specifications

Dimensions (H x W x D)	23.2 x 11.4 x 6.3 in. (59 x 29 x 16 cm)
Weight (including LDV)	5.95 lb. (2.70 kg)
Weight with Integrated PAS ASV (including LDV)	7.72 lb. (3.50 kg)
Input Pressure	2216 psi, 4500 psi
Nominal 1st Stage Output Pressure	87-130 psi
1st Stage Output Flow	>1000 L/min
LDV Output Flow	>400 L/min
Whistle Activation Pressure	554 Psi, 1125 psi
Whistle Sound Level	>90 dBA
Approvals	NIOSH

Self Contained Breathing Apparatus

Dräger PSS® 5000

NFPA-Certified SCBA

Effective firefighting requires trusted breathing protection in the harshest environments. The Dräger PSS® 5000 provides the budget-conscious fire department with an ergonomically advanced SCBA. With a wide range of features—such as bi-lateral hose routing and cylinder Quick Connection—the PSS® 5000 meets the needs for today's complex fire grounds.

Tough Materials

Comprised of flame-resistant, abrasion resistant, and water resistant materials

Pivoting lumbar support waist belt

Allows free movement while holding the SCBA firmly in position

Quick Connect cylinder attachment

Enables a secure change of cylinders in less than 10 seconds

Sentinel 7000 digital monitor with integrated personal alert safety system (PASS)

Communicates wirelessly with HUD

Optional Buddy Breather

Keeps an emergency breathing supply system within easy reach



D-5612-2019

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Dräger PSS® 5000			
Dräger PSS® 5000 Self Contained Breathing Apparatus			
Dräger PSS® 5000 High Pressure 4500 PSI Quick Connect w/ Sentinel 7000		1 / box	4050033
Dräger PSS® 5000 Low Pressure 2216 PSI Quick Connect w/ Sentinel 7000		1 / box	4050022
Dräger PSS® 5000 High Pressure 4500 PSI CGA w/ Sentinel 7000		1 / box	4050021
Dräger PSS® 5000 Low Pressure 2216 PSI CGA w/ Sentinel 7000		1 / box	4050015
Dräger FPS® 7000 Mask			
Dräger FPS® 7000 P18 Small, w/ Hairnet		1 / box	R63090
Dräger FPS® 7000 P18 Medium, w/ Hairnet		1 / box	R63091
Dräger FPS® 7000 P18 Large, w/ Hairnet		1 / box	R63092
Dräger FPS® 7000 Head-Up Display (HUD)		1 / box	3356555
Dräger FPS® 7000 Communication Options			
Dräger FPS® COM 5000		1 / box	See page 67
Dräger FPS® COM 7000		1 / box	See page 69
UEBSS (Buddy Breather)			
Dräger UEBSS Pouch		1 / box	3367426
Dräger UEBSS 40" w/o Pouch		1 / box	3367467
Cylinders			
30, 45, 60 Minute Cylinders		1 / box	On request

Technical Data

Dräger PSS® 5000 with Dräger Sentinel 7000	
Weight w/empty 45-min cylinder	24.8 lb. (11.25 kg)
Input pressure (psi)	Low-pressure, 2,216; high-pressure, 4,500
Nominal first stage output pressure (psi)	108
First stage output flow (L/min)	>1,000
LDV output flow (L/min)	>500
Whistle activation pressure (psi)	Low-pressure, 819; high-pressure, 1665
Whistle sound level (dBA)	>90
ADSU main alarm (dBA)	>95
Approvals	NFPA 1981 & 1982, 2018 Edition

Self Contained Breathing Apparatus

Dräger PSS® 7000

NFPA-Certified SCBA

Before you can protect the lives of others, you have to protect yourself. The Dräger PSS® 7000 self-contained breathing apparatus (SCBA) provides unmatched comfort, durability, and safety in the harshest environments. With unparalleled ergonomic performance, the PSS® 7000 combines trusted pneumatics, flexible fit, and cylinder Quick Connection, freeing the firefighter to concentrate on the task at hand.

Reflective, luminescent shoulder straps

Reduce potential snag points and enhance visibility in the darkest situations

Three-point, height adjustable backplate

Easily adjusts to give each firefighter a customized fit

Pivoting and sliding

Lumbar assembly floats and enables free movement

Tough Materials

Comprised of flame-resistant, abrasion resistant, and water-resistant materials

Sentinel 7000 digital monitor with integrated personal alert safety system (PASS)

Communicates wirelessly with HUD

Optional Buddy Breather

Keeps an emergency breathing supply system within easy reach

Quick Connect cylinder attachment

Enables a secure change of cylinders in less than 10 seconds



D-5613-2019

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Dräger PSS® 7000			
Dräger PSS® 7000 Self Contained Breathing Apparatus			
	Dräger PSS® 7000 HP Quick Connect w/ Sentinel 7000 w/ LDV	1 / box	4050013
	Dräger PSS® 7000 LP Quick Connect w/ Sentinel 7000 w/ LDV	1 / box	4050012
	Dräger PSS® 7000 HP CGA w/ Sentinel 7000 w/ LDV	1 / box	4050011
	Dräger PSS® 7000 LP CGA w/ Sentinel 7000 w/ LDV	1 / box	4050010
Dräger FPS® 7000 Mask Accessories			
	Dräger FPS® 7000 Face Mask (Small)	1 / box	R63090
	Dräger FPS® 7000 Face Mask (Medium)	1 / box	R63091
	Dräger FPS® 7000 Face Mask (Large)	1 / box	R63092
	Dräger FPS® 7000 Head-Up Display (HUD)	1 / box	3356555
Dräger FPS® 7000 Communication Options			
	Dräger FPS® COM 5000	1 / box	See page 64
	Dräger FPS® COM 7000	1 / box	See page 66
UEBSS (Buddy Breather)			
	Dräger UEBSS Pouch	1 / box	3367426
	Dräger UEBSS40" w/o Pouch	1 / box	3367467
Cylinders			
	30, 45, 60, Minute Cylinders	1 / box	On request

Technical Data

Dräger PSS® 7000 with Dräger Sentinel 7000	
Weight w/empty 45-min cylinder	25.6 lb. (11.61 kg)
Input pressure (psi)	Low-pressure 2,216; high-pressure 4,500
Nominal first stage output pressure (psi)	108
First stage output flow (l/min)	>1,000
LDV output flow (l/min)	>500
Whistle activation pressure (psi)	Low-pressure 819; high-pressure 1665
Whistle sound level (dBA)	>90
ADSU main alarm (dBA)	>95
Approvals	NFPA 1981 & 1982, 2018 Edition

Self Contained Breathing Apparatus

Dräger Secor 7000 Diving Regulator

The Dräger Secor 7000 regulator, consisting of a first and second stage, was developed for professional divers. To ensure comfortable diving, the hose can be connected to the second stage either from the left or right side. Secor 7000 is compatible with the full face mask Panorama Nova Dive. The pneumatic system can be individually configured using different outlets on the first stage.

First stage

- diaphragm controlled
- supply-pressure-compensated
- no decline in airflow

Individual configuration

- Three high-pressure (HP) ports and five medium-pressure (MP) ports to connect as needed
- High flexibility in configuring the pneumatics

D-10382-2016



300 bar technology



D-10378-2016

Second stage

- downstream, balanced, with integrated pressure-relief valve
- hose connection on both sides
 - fits perfectly with the Dräger Panorama Nova Dive

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Dräger Secor® 7000			
Dräger Secor 7000			T54400
Yoke 1st stage			T54507
DIN 1st stage			T54513
2nd stage, mouthpiece, flex hose			T54558
2nd stage, FFM, flex hose			T54559
Octopus, mouthpiece, flex hose			T54564
Octopus, FFM, flex hose			VN00342
2nd stage, mouthpiece, rubber hose			T54565
2nd stage, FFM, rubber hose			T54566
Octopus, mouthpiece, rubber hose			T54567
Octopus, FFM, rubber hose			VN00343
Triple console with pressure gauge, and depth gauge and compass			T54568
Low-pressure warning device			T53615
Inflator hose, 0.78 m			T54186
Panorama Nova Dive			T53510
Panorama Nova Dive Sport			T53700
Dräger PSS® Dive			T54500

Technical Data

Dräger Secor 7000

Water temperature 2 °C to 40 °C (35.6 °F to 104 °F)

Pressure gauge, 1st stage, DIN

Inlet Max. 300 bar / 4,351 PSI, Handwheel connection (DIN EN 144 G 5/8 standard)

High-pressure outlet 3 ports, 7/16-20 UNF, O-ring seal

Medium-pressure outlet 5 ports, 3/8-24 UNF, O-ring seal, 8.8 to 9.8 bar / 127 to 142 PSI

Principle Diaphragm-operated, supply-pressure-compensated

Material Chrome-plated brass

Weight 785 g (1.73 lb)

Pressure gauge, 1st stage, INT

As before, except:

Inlet Max. 232 bar/3,364 PSI, with INT yoke adapter CGA 850

Weight 960 g (2.11 lb)

Self Contained Breathing Apparatus

Technical Data

Lung demand valve, 2nd stage, mouthpiece

Principle	Downstream, balanced
Material mouthpiece, diaphragm and exhalation valve	Silicone
Connection	3/8-24 UNF
Medium-pressure hose	Various lengths for different applications
Weight	230 g (0.51 lb)

Lung demand valve, 2nd stage, full-face mask

Principle	Downstream, balanced
Material diaphragm and exhalation valve	Silicone
Connection	3/8-24 UNF
Medium-pressure hose with coupling and pressure-relief valve	Various lengths for different applications
Weight	230 g (0.51 lb)

Self Contained Breathing Apparatus

Dräger Panorama Nova Dive Diving Full-Face Mask

The Panorama Nova Dive is a full-face mask that offers various connection possibilities for regulators, underwater communication, and a low pressure warning. It allows the professional user to dive comfortably under difficult conditions.



D-12944-2018

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Dräger Panorama Nova Dive			
Panorama Nova Dive Sport (Without Mask Box)			T53700
Panorama Nova Dive			T53510
Klar-Pilot Gel, 50 ml			R52560

Technical Data

Weight	
Panorama Nova Dive / Sport	940 g / 2 lb 1 oz
Operating Temperature	-20 to 50 °C / -4 to 122 °F
Storage Temperature	-30 to 70 °C / -22 to 158 °F
Exhalation Valve Opening Pressure	
Panorama Nova Dive	3.2 to 6.0 mbar
Panorama Nova Dive NM/R	25 to >25 mbar

Self Contained Breathing Apparatus

Dräger PSS® BG 4 plus Breathing Apparatus

Specially designed for demanding tasks, The Dräger PSS® BG 4 plus closed-circuit breathing apparatus combines uncompromising safety with outstanding respiratory protection and wearer comfort. Innovative in design, it provides the wearer with up to four hours of breathing gas in toxic environments.

Breathing hose

Ideal balance and freedom of movement due to positioning of the hose over the shoulders

Reflective stripes

Clear visibility, even in dark environments



Breathing hose

Ideal balance and freedom of movement due to positioning of the hose over the shoulders

“Pull-Forward” waist belt and adjustable shoulder straps

Easy donning in confined spaces as well as high quality ergonomics

D-23567-2009

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
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Dräger PSS® BG 4 plus

Dräger PSS® BG 4, 4-hour Positive Pressure Closed Circuit Breathing Apparatus with Sentinel II, USA	High pressure, NIOSH		4057380
Dräger PSS® BG 4, 4-hour Positive Pressure Closed Circuit Breathing Apparatus with Sentinel II, USA, Complete with Mask, L.W. Carbon Cylinder and Valve and Black Pelican Case	High pressure, NIOSH		4057227
Dräger PSS® BG 4, 4-hour Positive Pressure Closed Circuit Breathing Apparatus with Sentinel II, USA, Complete with FPS 7000 Hydration Mask, L.W. Carbon Cylinder and Valve and Black Pelican Case	High pressure, NIOSH		4058823

Required for operation

Dräger FPS 7000 RP-EPDM-M2-PCas-CR	Full face mask with central connecting for closed circuit breathing apparatus Dräger PSS® BG 4 plus. Mask body, inner mask and head harness made of EPDM. With anti-scratch coated polycarbonate visor and wiper. Available as an option is the CamelBak drinking system		R56326
Further variants and sizes on request			

Accessories for communication

Dräger FPS COM 5000 RP Voice Amp Only			R62992
Dräger FPS COM 5000 RP Voice Amp & Radio Connection			R62993
Dräger FPS COM 5000 RP Voice Amp & Drinking Adapter			R62994
Dräger FPS COM 5000 RP Voice Amp, Drinking Adapter & Radio Connection			R62995
BG 4 Cylinder			B30229
BG ProAir Cylinder for BG 4			3721275
BG ProAir Cylinder Cradle for BG 4			3700348

Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Expansion sets			
DraegerSorb 400			6737985
Filtermats	Package of 50		4058167
Dräger CO2 Single-Use Absorber			R34360
Freezer Canister			R33999
Software Kit for Dräger PSS® BG 4 plus Sentinel II			
Dräger Interface Software Bg Ir-Link II			3351342
Dräger PC Data Link Cable			3354304

Technical Data

Dräger PSS® BG 4 plus	
Duration of use	4 h according to EN 145 and NIOSH
Weight, ready for use (kg/pound)	15,5 kg / 34.17 pound (incl. mask, full oxygen cylinder (aluminum), CO ₂ absorber and approx. 1,2 kg / 2.65 pound cooling ice)
Dimensions (H x W x D) (mm/inch)	595 x 450 x 185 mm 23.43 x 17.72 x 7.28 inches
Constant oxygen metering (l/min O ₂)	1.5 to 1.9
Minimum valve (l/min O ₂)	> 80
Breathing bag volume (l)	5.5
Bypass valve (l/min O ₂)	> 50
Operating temperatures	-40 °C / -40 °F to +90 °C / +194 °F (if stored at room temperature)
Approvals	EN 145, Ex protection according to EN IEC 60079, Eex IIC T4, Eex ial and NIOSH and MSHA

Self Contained Breathing Apparatus

Dräger FPS®-COM 5000

In an emergency, there is no time for misunderstanding. That's why Dräger developed the FPS®-COM 5000 communication unit for NFPA-certified SCBAs. Designed to connect seamlessly to the Dräger FPS® 7000 full-face masks, this proven communication unit ensures clear communication through either a tactical voice amplifier or a radio – even in extreme conditions.



Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Dräger FPS® COM 5000 2018 Edition (for FPS® 7000 P18)			
	Dräger FPS® COM 5000 P18 Voice Amp only		R63301
	Dräger FPS® COM 5000 P18 Universal connection & cable		R63302
	Dräger FPS® COM 5000 P18 Waris connection & cable		R63303
	Dräger FPS® COM 5000 P18 Jedi connection & cable		R63304
	Dräger FPS® COM 5000 P18 Gcai connection & cable		R63305
	Dräger FPS® COM 5000 P18 Kenwood connection & cable		R63306
	Dräger FPS® COM 5000 P18 Bluetooth Motorola APX		R63307

Technical Data

FPS COM 5000 P18

IECEX	EX ia I Ma EX ia IIC T4 Ga EX ia IIC T130°C/T95°C Da T4 (Ta = -30°C to +60°C)
USA, Canada UL913	Class I, II, III, Div. 1 Group A-G, T-code T4 T4 (Ta = -30°C to +60°C) NFPA 1981, 2018 Edition
Protection class	IP67
Batteries	2 x AAA
Operating time	Approx. 32 hours (dependent upon talk activity)
Ambient conditions during storage	-15°C/5°F to +25°C/77°F, 700 to 1,300 hPa, 10 to 95% relative humidity

Self Contained Breathing Apparatus

Dräger FPS®-COM 7000

The Dräger FPS®-COM 7000 provides standalone hands-free communication along with optional connection to tactical radios. Voice-activated, the FPS®-COM 7000 provides full-duplex communication on one of seven user-selected channels. Up to 10 users per channel can be connected without using a tactical radio, which is especially ideal for special operations like hazardous materials response teams.



Self Contained Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
Dräger FPS® COM 7000 2018 Edition (for FPS® 7000 P18)			
	Dräger FPS® COM 7000 P18 Voice Amp only		R61343
	Dräger FPS® COM 7000 P18 Universal connection & cable		R61344
	Dräger FPS® COM 7000 P18 Waris connection & cable		R61345
	Dräger FPS® COM 7000 P18 Jedi connection & cable		R61346
	Dräger FPS® COM 7000 P18 Gcai connection & cable		R61347
	Dräger FPS® COM 7000 P18 Bluetooth Motorola APX		R61348
	C7 configuration software with update cable		R61320

Technical Data

FPS® COM 7000 P18

Approvals	NFPA 1981, 2018 Edition IECEX: Ex ia IIC T4/ T3 Ga (Ta = -22°F (-30°C) to 122°F (50°C)) CAN/CSA: Class I, Div. 1, Groups A-D T3/T4 CE 2004/108/EC, 1999/5/EC, 94/9/EG
Protection class	IP67
Wireless frequencies	902 – 928 Mhz
Transmission power	10 mW
Radio coverage	approx. 328 ft (100 m) line of sight, approx. 98 ft (30 m) indoors
Number of talk Groups	Configurable, Maximum of 10 groups per device
Communication type	voice-activated, duplex
Batteries	2xAA batteries
Operating Time	approx. 8 hrs (Dependent on talk activity)
Ambient conditions during storage	5°F (-15°C) to 77°F (+25°C), 700 to 1,300 hPa, 10 to 95% rel. humidity

Emergency Escape Breathing Apparatus

Escape Hoods

Dräger PARAT® 79

Emergency Escape Breathing Apparatus

Dräger Saver CF N (NIOSH) 82

Oxygen Self Rescuer

Dräger Oxy SR Cap III 84

Emergency Escape Breathing Apparatus



Breathe easy – independent of the air around you.

In emergency situations, conditions can deteriorate rapidly. Ambient breathing air can be suddenly filled with smoke or toxic fumes and rapid escape is the only available option. The Dräger's Emergency Escape Breathing Apparatus allows safe, effective and uncomplicated escape from hazardous environments.

Respiratory protection even in the most extreme conditions Dräger filtering and constant flow devices are easily ready for use in a few simple steps. Immediately after donning, workers can escape the danger zone, reliably.

Advantages:

- A wide range of emergency escape breathing apparatus: from the easy-to-use filter, particularly compact, to the insulators associated with a hood or mask to innovative oxygen generation with a range of up to 15 minutes
- Easy and fast implementation even for untrained people
- Compact and robust packaging / case
- Numerous versions: with or without hood, different durations of protection, training units available
- Economical: up to 10 years of maintenance-free use
- Our technical sales representatives advise you on the most suitable solution
- Maintenance and service by our DrägerService Service Center.

Emergency Escape Breathing Apparatus

Dräger PARAT® Escape Hoods

Airborne toxins present an immediate danger to the health of a workforce. When environments turn toxic, a fast, safe escape is crucial. Dräger PARAT® Escape Hoods are designed to be easily donned, protecting users from toxic industrial and fire-related gases, vapors, and particles during escape.

Clearly visible hood

Hood in signal color for high visibility

Internal head harness

Automatically adjusting internal harness, so no additional tightening of the hood is required

High-performance filter

Filter expiration date is clearly marked (8 year shelf life per filter); the filter is automatically released from the packaging when opened

Exhalation valve

Directly leads the exhaled air out of the half mask

Overall protection

Hood provides both respiratory and eye protection

Clear view

Wide field of vision due to a specially formed visor, which provides a continuously clear view due to a special antifog coating

Good fit

Specially designed half mask fits a wide variety of face sizes

Textile neck seal

Flexible textile neck seal for high protection level



D-8621+2016

Emergency Escape Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
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Dräger PARAT® Escape Hoods**Dräger PARAT®**

Dräger PARAT® 4920 NIOSH, Soft Pack		1 / box	3721331
Dräger PARAT® 5510, Single Pack		1 / box	R59415
Dräger PARAT® 5520, Soft Pack		1 / box	3721330
Dräger PARAT® 5530, Hard Case		1 / box	R59435
Dräger PARAT® 7520, Soft Pack		1 / box	3721329
Dräger PARAT® 7530, Hard Case		1 / box	R59437
Dräger PARAT® Training Hood, Single Pack		1 / box	R59410
Dräger PARAT® Training Hood, Soft Pack		1 / box	3721327
Dräger PARAT® Training Hood, Hard Case			R59430

Accessories

Replacement Filter Set: Dräger PARAT® 4920 (includes NIOSH Multigas/R95 Filter and security seal)		1 / box	R59473
Replacement Filter Set: Dräger PARAT® 5510 (includes CO P2 filter and label)		1 / box	R59474
Replacement Filter Set: Dräger PARAT® 5520/5530 (includes CO P2 filter and security seal)		1 / box	R59475
Replacement Filter Set: Dräger PARAT® 7500 (includes ABEK CO P3 filter and security seal)		1 / box	R59477
Wall Holder PIN PARAT® Hard Case		5 / box	R59451
Waist Belt, textile		1 / box	6733934
Waist Belt, plastic		1 / box	R53026
Shoulder Strap		5 / box	R59461
Belt Clip		5 / box	R59456
Grip Clip		5 / box	R59455
Luminescent Sticker Set, PARAT® 4920 SP, Set of 10		10/PK	3725786
Luminescent Sticker Set, PARAT® 5520 SP, Set of 10		10/PK	3725782
Luminescent Sticker Set, PARAT® 7520 SP, Set of 10		10/PK	3725785
Luminescent Sticker Set, Parat Training SP, Set of 10		10/PK	3725787

Emergency Escape Breathing Apparatus

Technical Data

Physical Specifications

Filter performance	<p>PARAT® 4900: NIOSH Multigas / R95 combination filter for toxic industrial gases, vapors, and particles</p> <p>PARAT® 5500: CO P2 combination filter against carbon monoxide and other fire-related gases, vapors, and particles</p> <p>PARAT® 7500: ABEK CO P3 combination filter against toxic gases, vapors, particles and fire-related gases</p>
Period of use	At least 15 minutes
Total service life	Sixteen years (provided the filter is exchanged after eight years)
Weight lb. (g)	<p>PARAT® 4920: 1.5 lb. (675 g)</p> <p>PARAT® 5510: 1.3 lb. (590 g), PARAT® 5520: 1.4 lb. (660 g)</p> <p>PARAT® 5530: 1.5 lb. (720 g)</p> <p>PARAT® 7520: 1.6 lb. (770 g)</p> <p>PARAT® 7530: 1.8 lb. (830 g)</p> <p>PARAT® Training Hood Single Pack: 1 lb. (440 g)</p> <p>PARAT® Training Hood Soft Pack: 1.1 lb. (510 g)</p> <p>PARAT® Training Hood Hard Case: 1.3 lb. (570 g)</p>
Dimensions: L X W X H in (mm)	<p>PARAT® 4920: 9.6 x 6.2 x 4.3 in (245 x 160 x 110)</p> <p>PARAT® 5510: 7.4 x 5.3 x 3.5 in (190 x 135 x 90)</p> <p>PARAT® 5520: 8.4 x 6.1 x 4.1 in (215 x 155 x 105)</p> <p>PARAT® 5530: 9.4 x 5.6 x 4.2 in (241 x 143 x 107)</p> <p>PARAT® 7520: 9.2 x 6.2 x 4.5 in (235 x 160 x 115)</p> <p>PARAT® 7530: 9.8 x 6.1 x 4.5 in (249 x 156 x 115)</p> <p>PARAT® Training Hood Single Pack: 7.4 x 5.3 x 3.5 in. (190 x 135 x 90)</p> <p>PARAT® Training Hood Soft Pack: 8.4 x 6.1 x 4.1 in. (215 x 155 x 105)</p> <p>PARAT® Training Hood Hard Case: 9.8 x 6.1 x 4.4 in. (249 x 156 x 114)</p>

PARAT® 4900: NIOSH Approved and Independently Tested Gases & Protection

Gas/Vapor	Test Concentration	Minimum Service Life (min.)	Tested by
Ammonia	1,000 ppm	25	NIOSH CFR 84.207 & 84.190(a)
Chlorine	500 ppm	17.5	NIOSH CFR 84.207 & 84.190(a)
Chlorine Dioxide	500 ppm	30	NIOSH CFR 84.207 & 84.190(b)
Hydrogen Chloride	500 ppm	25	NIOSH CFR 84.207 & 84.190(b)
Hydrogen Fluoride	70 ppm	30	NIOSH CFR 84.207 & 84.190(b)
Hydrogen Sulfide	1,000 ppm	30	NIOSH CFR 84.207 & 84.190(b)
Methylamine	1,000 ppm	12.5	NIOSH CFR 84.207 & 84.190(a)
Organic Vapor Test	1,000 ppm	25	NIOSH CFR 84.207 & 84.190(a)
Sulfur Dioxide Test	500 ppm	15	NIOSH CFR 84.207 & 84.190(a)
HCHO/Formaldehyde	100 ppm	40	Independent/ In House Testing
HCN/Hydrogen Cyanide	500 ppm	50	Independent/In House Testing
Hg/Mercury Vapors	21.5 mg x m ⁻³	60	Independent/In House Testing

Additional testing data for the 5500 and 7500 series is available in the Parat Filtering Escape Hood, Product Information sheet.

Emergency Escape Breathing Apparatus

Dräger Saver CF N (NIOSH) Emergency Escape Breathing Apparatus

In emergency situations, conditions can deteriorate rapidly. Ambient breathing air can be suddenly filled with smoke or toxic fumes and rapid escape is the only available option. The Dräger Saver CF N constant flow Emergency Escape Breathing Apparatus allows safe, effective, and uncomplicated escape from hazardous environments.

Constant flow hood

Wide visor

Orinasal mask in hood
controls CO₂ levels

Flexible, natural rubber seal makes
the Saver easy and fast to don

Reflective strips for high visibility

Automatically activates
when bag is opened

Cylinder contents gauge is
easily viewable and
protected from breakage

D-21793-2016



Emergency Escape Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
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Dräger Saver CF N (NIOSH)**Dräger Saver CF NIOSH**

Saver CF5 N		1 / box	4042055
Saver CF10 N		1 / box	4042056

Technical Data

	Dräger Saver CF NIOSH 5 Minute	Dräger Saver CF NIOSH 10 Minute
Dimensions (NIOSH) (H x D x L)	9.4 x 7.0 x 12.5 in (240 x 180 x 320 mm)	9.4 x 7.0 x 17.3 in. (240 x 180 x 440 mm)
Weight	8.7 lb. (3.98 kg)	11.2 lb. (5.12 kg)
Cylinder charging pressure	3,000 psi	3,000 psi
Airflow to the hood	35–37 L/min	35–37 L/min
Operating temperature range	5 °F to 140 °F (-15 °C to +60 °C)	5 °F to 140 °F (-15 °C to +60 °C)
Approvals	NIOSH, ABS, SOLAS and TC	NIOSH, ABS, SOLAS and TC
Storage temperature	5 °F to 77 °F (-15 °C and +25 °C)	5 °F to 77 °F (-15 °C and +25 °C)

Emergency Escape Breathing Apparatus

Dräger Oxy SR Cap III Oxygen Self Rescuer

The Dräger Oxygen Self Rescuer is a respiratory protective device for self-rescue which is independent of the ambient air. The device can be used maintenance-free over its entire service life. No additional pressure or weight tests are required.



Emergency Escape Breathing Apparatus

Product	Description	Packaging unit/type	Order No.
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Dräger Oxy SR Cap III

Dräger Oxy SR Series			
Dräger Oxy SR 60 / CAP III configurator		1 / box	3715560
Dräger Oxy SR Cap III 10 - Year Unit		1 / box	6306840
Dräger Oxy SR Cap III 5 - Year Unit		1 / box	3709881
Dräger Oxy SR 60 Training device		1 / box	3715506
Accessories for Dräger Oxy SR Cap III and Oxy SR Cap III/SR 60 Training Device			
Support ring hip with AP		1 / box	3715580
Support ring hip		1 / box	3715581
Support ring shoulder with AP		1 / box	3715582
Support ring shoulder		1 / box	3715583
Abrasion protection		1 / box	3715584
Return packaging		1 / box	3715588
Accessories for Dräger Oxy SR and Training devices			
Oxy SR Belt		1 / box	3715590
Oxy SR Hip belt, antistatic		1 / box	3715595
Device bracket		1 / box	3715599
Oxy SR Bag		1 / box	3715555
Accessories for Dräger Oxy SR Training device			
Mouthpiece assembly		1 / box	3715510
Practice simulator		1 / box	3715515

Emergency Escape Breathing Apparatus

Technical Data

Dräger Oxy SR Cap III

Ambient Temperature	For transport and storage	-30 °C to +50 °C (-22 °F to +122 °F)
	Worn device (carried)	+5 °C to +50 °C (+23 °F to +122 °F)
	Used device in deployment / escape	-20 °C to +70 °C ¹⁾ (-4 °F to +158 °F)
	Temperature of the inhalation air (dry, breathable air)	Max. +50 °C (Max. +122 °F)
	Relative humidity	Up to 100%
	Ambient pressure	700 hPa to 1300 hPa (10.15 psi to 18.86 psi)
Volume of the breathing bag		> 10 liters
	Oxygen capacity ³⁾	> 90 L
Weights ²⁾	VO ₂ 1.35 L /min (NIOSH capacity)	Up to 70 min
	Self rescuer	Approx. 3.5 kg (7.72 lbs)
	Self rescuer in use	2.4 kg (5.29 lbs)
	Support ring	190 g (0.42 lb)
	Abrasion protection	280 g (0.62 lb)
	Shoulder strap	130 g (0.29 lb)
Dimensions (w x h x d) ²⁾ Dimensions (w x h x d) ²⁾		250 x 215 x 125 mm (9.84 x 8.46 x 4.92 in)
	In use (functional unit)	190 x 240 x 100 mm (7.48 x 9.45 x 3.94 in)
		265 x 217 x 125 mm (10.43 x 8.54 x 4.92 in)
Total service life		Up to 10 years
Approvals		42 CFR part 84 capacity 3

¹⁾ Use in ambient temperatures down to -20 °C is possible if the oxygen self rescuer was stored at room temperature before donning and is exposed to -20 °C for no longer than 30 minutes. In cold weather conditions, particularly at sub-zero temperatures, the self rescuer may be difficult to open.

²⁾ Weight and dimensions may vary due to tolerances differ from the specifications.

³⁾ Meets approval for respiratory protective devices 42 CFR part 84.

Portable Gas Detection

Multi-Gas Detectors

Dräger X-am® 2800	89
Dräger X-am® 5000	92
Dräger X-am® 5600	105
Dräger X-am® 5800	110
Dräger X-am® 3500	119
Dräger X-am® 8000	124
Dräger X-pid® 9500/9500+	131

Area Monitoring

Dräger X-zone® 5800	135
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Calibration and Bump Testing

Dräger X-dock® 5300/6300/6600	138
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Single-Gas Detectors

Dräger Pac® 6000	142
Dräger Pac® 6500	145
Dräger Pac® 8000	148
Dräger Pac® 8500	151
Dräger X-am® 5100	154

Wireless Hazard Area Monitor

X-site Live	157
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External Pump

X-am® Pump	161
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Gateway

Dräger ConHub	163
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Portable Gas Detection



Safety to go.

Many hazards in the workplace cannot be detected by human senses: some toxic gases, oxygen deficiency, some combustible gases and vapors. These hazards pose a serious threat to human life and plant safety in many industries. When it comes to the reliable detection of known and unknown gases, you can rely on portable gas detection technology from Dräger. Our extensive product range offers you the perfect solution for every application.

Profit from our experience.

The development of our Dräger-Tubes® more than seventy years ago laid the cornerstone for accurate gas detection. Today, thanks to continuous research and development, we now offer more than 250 Dräger-Tubes® able to detect over 500 substances. Combined with the Dräger chip measuring system, an electronic form of the tube, Dräger provides you with some of the most accurate and reliable means available for spot concentration measurement.

We take your protection personally.

Personal gas detection instruments are essential for providing workers with a reliable form of protection. Our sophisticated single-gas detectors are recommended for ensuring workplace safety when you need to be alerted to the presence of harmful gas concentrations.

Dräger multi-gas detectors offer a wide range of options, making them flexible companions in a variety of situations such as personal protection, area monitoring, and leak detection. Special accessories make it easier to work in places that are difficult to access, such as tanks or shafts, while ensuring that safe clearance is possible.

We continuously invest in sensor technology to ensure greater safety at work. Our sensor systems, including catalytic, infrared, electrochemical and photoionization detectors (PID), set standards in terms of sensitivity and longevity. Providing the world's largest number of electrochemical sensors to measure the widest variety of gases means that a perfect solution is available for each measurement task. Testing and calibration stations, portable printers, and complete workshop solutions ensure that your Dräger gas detection instruments are well maintained and ready for use at a moment's notice.

Portable Gas Detection

Dräger X-am® 2800 Multi-Gas Detector

The X-am 2800 multi-gas detector measures up to four gases and is equipped with a shock-resistant CatEx sensor. With the Dräger Gas Detection Connect software, it offers live monitoring and powerful fleet management. Designed for personal monitoring, the X-am 2800 offers the highest level of safety at a low cost of ownership.



Portable Gas Detection

Technical Data

Dimensions (W x H x D)	130 x 48 x 44 mm (5.12 x 1.89 x 1.73 in)
Weight	typically 220 to 250 g (7.76 to 8.82 oz), depending on sensor equipment
Housing	robust 2-component housing
Display	Matrix display with high resolution
Ambient conditions	
Temperature	20 to +50 °C (-4 to 122 F) (Measurement and storage)
	-40 to +50 °C (-40 to 122 F) (Use in potentially explosive atmospheres)
Pressure	700 to 1300 mbar (Measurement)
	800 to 1100 mbar (Use in potentially explosive atmospheres)
Relative humidity	10 to 95 % r.h.
	5 to 95 % r.h. short term
Protection class	IP68
Alarms	
Visual	3 LED "red" (gas alarms)
	3 LED "yellow" (device alarm)
Audible	Multi-tone > 90 dB at 30 cm (12 in)
Vibration	
Additional technical specifications	
Energy supply	NiMH battery (no dangerous goods: UN marking) required during transport), replaceable by user, rechargeable
Bluetooth®	Bluetooth 5.0 (disabled for some countries outside the EU and outside North America, but can be retrofitted. Contact DrägerService).
Operating times	Approx. 12 h (Bluetooth active)
	Approx. typical 100 h without Ex-sensor
Charging time	< 4 h
Ready for measurement	< 60 s after switch-on
Data logger	Application of an optimised data compression method with high accuracy and large storage capacity. (Typically data compression >90 % compared to the traditional data logger concept with adjustable interval)

Portable Gas Detection

Approvals

Marking Explosion protection:

ATEX	I M1 Ex da ia I Ma
	II 1G Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
IECEX	Ex da ia I Ma
	Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
CSA (USA & Canada)	CSA approval: cCSAus Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G
EAC	Contact Dräger for availability
Directives	2014/34/EU (ATEX)
	2014/53/EU (RED)
	2011/65/EU (RoHS)
Data logger	Application of an optimised data compression method with high accuracy and large storage capacity. (Typically data compression >90 % compared to the traditional data logger concept with adjustable interval)

Manufacturer's warranty

4 years for the device (electronics and housing)

3 Years for the CatEx SR sensor, 5 years for the O₂, CO, H₂S sensors (except NO₂ (1 year) and SO₂ (2 years))

2 years for the energy supply (battery)

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger X-am® 2800			
X-am® 2800			
	Dräger X-am 2800 Ex, O ₂ , CO, H ₂ S (Settings: Factory default settings with standard alarm thresholds, unit CatEx: "%LEL", with power supply (rechargeable battery), without charger, CatEx: methane adjustment, oxygen 0 – 25 vol.-% measuring range). (For charging, additionally e.g. the charging set Basic is required, part number: 8320333)		NA11349
	Dräger X-am 2800 Ex, O ₂ , CO, H ₂ S (Settings: Factory default settings with standard alarm thresholds, unit CatEx: "%LEL", with power supply (rechargeable battery and charger), CatEx: methane adjustment, oxygen 0 – 25 vol.-% measuring range).		NA11350
Configurator			
	Dräger X-am 2800 (configurator) consisting of: Basic device (with data logger), delivery with manufacturer and calibration certificate. Configurator: up to 4 sensors can be selected, sensor configuration can be changed later in product life. Customer-specific settings (firmware) can be selected when ordering, examples: Measurement gas for the Ex sensor (factory setting: methane), alarm thresholds, alarm behaviour, quick menu options, D-light etc. Power supply (battery) optional (factory setting: with battery), without charger		3703900
	Instruction for use included in the standard scope of delivery in the following languages: GER, EN, FR, ES, PT, IT, NL, RU, ZH, JA		9300307
	Instruction for use available in other languages: DA, FI, NO, SV, PL, HR, SL, SK, CS, BT, RO, HU, EL, TR, KO, ET, LV, LT	Available as download on the product page: www.draeger.com/ifu Part number: 9300428	
	Technical manual available in the following languages: : GER, EN, FR, ES, RU	Available as download on the product page: www.draeger.com/ifu Part number: 9300310	
	Selected device options when placing the order	RFID transponder	
		Number of instructions for use (for order n > 1)	
		Bluetooth® communication protocol for integration into third-party systems (GATT license)	
	Bluetooth® communication protocol (GATT License) for subsequent activation		
	Dräger X-am Open GATT License (1 pc.)		3723353
	Dräger X-am Open GATT License (10 pc.)		3723354
	Dräger X-am Open GATT License (50 pc.)		3723355
	Slot 1: CatEx Sensor		
	Slot 2 – 4: Electrochemical Sensors in XXS Format		

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Sensors			
CatEx SR (Shock Resistant) ¹⁾²⁾ (factory setting: methane, other measuring gases selectable) methane, additional gases adjustable (propane, pentane, nonane, hydrogen and many more)	Measurement Range: 0 – 100 % LEL Resolution: 1 % LEL. > 4 years	1 / box	6851900
CatEx SR (Shock Resistant) 1) 2) (factory setting: methane, other measuring gases selectable) methane	Measurement Range: 0 – 5 Vol.-% CH4 Resolution: 0.1 Vol.-%	1 / box	6851900
XXS O ₂ ¹⁾ (4 alarm thresholds) oxygen	Measurement Range: 0 – 25 Vol% Resolution: 0.1 Vol.-%. > 5 years	1 / box	6810881
XXS O ₂ PR (4 alarm thresholds, increased robustness) oxygen	Measurement Range: 0 – 30 Vol.-% Resolution: 0.1 Vol.-%. > 5 years	1 / box	6800530
XXS CO LC ¹⁾ carbon monoxide	Measurement Range: 0 – 2,000 ppm Resolution: 1 ppm. > 5 years	1 / box	6813210
XXS H ₂ S LC ¹⁾ hydrogen sulphide	Measurement Range: 0 – 200 ppm Resolution: 0.1 ppm. > 5 years	1 / box	6811525
XXS NO ₂ nitrogen dioxide	Measurement Range: 0 – 50 ppm Resolution: 0.1 ppm. > 3 years	1 / box	6810884
XXS SO ₂ (with KX-Filter) sulphur dioxide	Measurement Range: 0 – 100 ppm Resolution: 0.1 ppm. > 3 years	1 / box	6810885
All sensors: Response time T90: < 15 s (CatEx SR: specification for gas methane/propane)			
All sensors: Response time T90: < 15 s (CatEx SR: specification for gas methane/propane)			
1) Manufacturer's warranty: 5 years, The statutory rights for defects remain unaffected, Manufacturer's warranty according to the conditions listed in the technical documentation.			
2) Special calibration for the Ex sensor is possible (default setting: methane, target gas calibration and cross calibration is possible).			
CatEx SR, sample gas "Methane" Option: No blocking alarm for sample gas methane (2 sensitivity calibrations required, display: overrange)		For availability of the function: Please contact Dräger	

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Power supply units/chargers			
	Charging set Basic consisting of a charging module and a plug-in power supply (worldwide) (contents included in the scope of delivery in part number 3703919)		8320333
	Battery and charging set (2.0): NiMH supply unit T4 with charging module and power supply unit (complete set) (contents included in the scope of delivery in part number 3703919)		3703889
	NiMH supply unit T4 (2.0)		3703887
	Charging adapter (for charging a rechargeable battery without X-am unit)		8326101
	Charging module		8318639
	Plug-in power supply (worldwide) for charging 1 unit		8316997
	Plug-in power supply (worldwide) for up to 5 charging modules		8316994
	Adapter for power plug (only necessary for 8321849 and 8321850)		8325736
	Power supply unit 100-240 VAC; 1.33 A for up to 5 charging modules (power supply unit adapter 8325736 additionally required)		8321849
	Power supply unit 100-240 VAC; 6.25 A for up to 20 charging modules (power supply unit adapter 8325736 additionally required)		8321850
	Truck charger connection cable 100-240 VAC for charging module (straight plug)		4530057
	Truck charger connection cable 230 V for charging module (straight plug, for use on 100-240 VAC sockets with the vehicle installation bracket in vehicles)		8315675
	Truck charger mounting bracket for a Dräger X-am® 1/2/5x00 charging module (base plate and strap). (also requires part number 4530057 or 8315675).		8318779
	Replacement strap for truck charger bracket		8318788
Pump accessories			
	Dräger X-am® Pump (external pump) includes USB power supply and shoulder strap		8327115
	GP600 Probe (plastic), with Luer connection		8328667
	Telescopic probe ES 150, stainless steel (connection for filter is included in SN 8319364 (dust/water filter)).		8316533
	Floating probe (transparent), with adapter		8327654
	5 m (16 ft) FKM hose, 3.2 mm, with adapters		8325705
	10 m (32 ft) FKM hose, 3.2 mm, with adapters		8325706
	20 m (66 ft) FKM hose, 3.2 mm, with adapters		8325707
	45 m (148 ft) FKM hose, 3.2 mm, with adapters		8325712
	Dust and water filter for pump inlet (replacement filter)		8319364
	Dust and water filter for pump inlet (replacement filter, 20 pieces)		3705997
	Confined space entry kit (free measuring) with external pump and 5 m (16 ft) FKM hose		8327117

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
	Empty case, with space for X-am® 1/2/5x00, charging accessories, probe, gas cylinder, pump, 3 m (10 ft) hose and much more.		8327112
	Other probes and hoses		On request
Calibration accessories			
	Calibration adapter for Dräger X-am® 1/2/5x00		8318752
	Further versions and accessories Dräger X-dock®		Please contact Dräger
	Dräger X-dock® 5300 (with master) 1/2/5x00		8321880
	Dräger X-dock module X-am 125		8321890
	Dräger X-dock module X-am 125+ (with charging function)		8321891
	Dräger Bump Test Station for Dräger X-am® 1/2/5x00 (without gas cylinder)		8319131
	Other accessories (hoses, valves, etc.)		Please contact Dräger
Accessories for measured value acquisition and configuration			
	Dräger CC-Vision. Freeware (www.draeger.com/software)		
	Dräger GasVision license key. Trial Version (www.draeger.com/software)		8325646
	USB DIRA with USB cable, communication adapter infrared to USB (Note: Positioning is done with the calibration cradle. Pn: 8318752).		8317409
Dräger Gas Detection Connect			
	GDC Intro License includes: Access, infrastructure, connection of up to 99 X-dock stations and/or ConHub, valid for one year after activation.		3719332
	GDC Basic License includes: IT infrastructure (data storage, maintenance, automatic feature updates, troubleshooting). 24/7 support, access		3719809
	GDC Asset License includes: Definable number of X-dock stations and ConHub, requires the Basic License		3719810
	GDC Asset Lite includes: One X-dock station, non-expandable, does not require a Basic License		3719811
	Gas Detection Connect Asset License – 5 years		3719820

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Other accessories			
	Leather carrying case (black)		8318755
	Set of stickers X-am 2800/5800 silver (10x)		3703852
	Set of stickers X-am 2800/5800 red (10x)		3703853
	Set of stickers X-am 2800/5800 blue (10x)		3703854
	Set of stickers X-am 2800/5800 yellow (10x)		3703855
	Set of stickers X-am 2800/5800 green (10x)		3703856
	Set display protection cover X-am 2800/5800 (10x)		3703857
	E-set Upgrade RFID transponder (5 pcs.) (with adhesive tape)		3703898
	Seal ring extractor (for changing XXS sensors). (Selected sensors are supplied with a similar tool ex works).		R21402

Portable Gas Detection

Dräger X-am® 5000 Multi-Gas Detector

The Dräger X-am® 5000 belongs to a generation of gas detectors, developed especially for personal monitoring applications. This 1- to 5-gas detector reliably measures combustible gases and vapors as well as O₂ and harmful concentrations of toxic gases, organic vapors, odorant and amine.

Gas inlets:

At the top and the bottom for safe readings

Visual alarm

Alarm visible across 360°

Dräger sensors

Quick, precise, long service life

Large display

All values at a glance

Retro-reflective label:

Easy to find in the dark or in water



Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger X-am® 5000**X-am® 5000**

Consisting of: basic instrument with an integrated data logger and manufacturer's and calibration certificates. A functional instrument must include up to 4 sensors and a power supply unit.

8320000

Sensors

CatEx 125 PR**	Measurement Range: 0 – 100 % LEL, 0 – 100 Vol.-% CH ₄ Resolution: 1 % LEL, 1 Vol.-%	1 / box	6812950
Cat-Ex 125 PR Gas	Measurement Range: 0 – 100 % LEL, 0 – 100 Vol.-% CH ₄ Resolution: 1 % LEL, 1 Vol.-%	1 / box	6813080
DrägerSensor XXS O ₂ ***	Measurement Range: 0 – 25 Vol.-% Resolution: 0.1 Vol.-%	1 / box	6810881
DrägerSensor XXS O ₂ PR	Measurement Range: 0 – 30 Vol.-% Resolution: 0.1 Vol.-%	1 / box	6800530
DrägerSensor XXS CO LC***	Measurement Range: 0 – 2,000 ppm Resolution: 1 ppm	1 / box	6813210
DrägerSensor XXS CO HC	Measurement Range: 0 – 10,000 ppm Resolution: 5 ppm	1 / box	6812010
DrägerSensor XXS CO / H ₂ compensated	Measurement Range: 0 – 2000 COppm Resolution: 2 ppm	1 / box	6811950
DrägerSensor XXS H ₂ S***	Measurement Range: 0 – 200 ppm Resolution: 1 ppm	1 / box	6810883
DrägerSensor XXS H ₂ S LC***	Measurement Range: 0 – 200 ppm Resolution: 0.1 ppm	1 / box	6811525
DrägerSensor XXS H ₂ S HC	Measurement Range: 0 – 1,000 ppm Resolution: 2 ppm	1 / box	6812015
DrägerSensor XXS NO	Measurement Range: 0 – 200 ppm Resolution: 0.5 ppm	1 / box	6811545

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dual Carbon Monoxide (CO) LC/Oxygen (O2) XXS	Measurement Range: 0-2000 PPM CO 1 ppm 2 - Yr Resolution: 0-25.0%Vol O2 0.1%Vol	368	6813275
Dual Hydrogen Sulfide (H2S) LC/Oxygen (O2) XXS	Measurement Range: 0-100 PPM H2S 0.1 ppm 2 - Yr Resolution: 0-25.0%Vol O2 0.1%Vol	368	6814137
DrägerSensor XXS H ₂ S-LC / CO-LC	Measurement Range: 0 – 2000 ppm CO / 0-100 ppm H ₂ S; Resolution: 0.1 ppm H ₂ S / 1 ppm	1 / box	6813280
DrägerSensor XXS NO ₂	Measurement Range: 0 – 50 ppm Resolution: 0.1 ppm	1 / box	6810884
DrägerSensor XXS NO ₂ LC	Measurement Range: 0 – 50 ppm Resolution: 0.02 ppm	1 / box	6812600
DrägerSensor XXS SO ₂	Measurement Range: 0 – 100 ppm Resolution: 0.1 ppm	1 / box	6810885
DrägerSensor XXS PH ₃	Measurement Range: 0 – 20 ppm Resolution: 0.01 ppm	1 / box	6810886
DrägerSensor XXS PH ₃ HC	Measurement Range: 0 – 2,000 ppm Resolution: 1 ppm	1 / box	6812020
DrägerSensor XXS HCN	Measurement Range: 0 – 50 ppm Resolution: 0.1 ppm	1 / box	6810887
DrägerSensor XXS HCN PC	Measurement Range: 0 – 50 ppm Resolution: 0.5 ppm	1 / box	6813165
DrägerSensor XXS NH ₃	Measurement Range: 0 – 300 ppm Resolution: 1 ppm	1 / box	6810888
DrägerSensor XXS CO ₂	Measurement Range: 0 – 5 Vol.-% Resolution: 0.1 Vol.-%	1 / box	6810889
DrägerSensor XXS Cl ₂	Measurement Range: 0 – 20 ppm Resolution: 0.05 ppm	1 / box	6810890
DrägerSensor XXS H ₂	Measurement Range: 0 – 2,000 ppm Resolution: 5 ppm	1 / box	6812370
DrägerSensor XXS H ₂ HC	Measurement Range: 0 – 4 Vol.-% Resolution: 0.01 Vol.-%	1 / box	6812025
DrägerSensor XXS OV	Measurement Range: 0 – 200 ppm Resolution: 0.5 ppm	1 / box	6811530
DrägerSensor XXS OV-A	Measurement Range: 0 – 200 ppm Resolution: 1 ppm	1 / box	6811535

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensor XXS Amine	Measurement Range: 0 – 100 ppm Resolution: 1 ppm	1 / box	6812545
DrägerSensor XXS Odorant	Measurement Range: 0 – 40 ppm Resolution: 0.5 ppm	1 / box	6812535
DrägerSensor XXS COCl ₂	Measurement Range: 0 – 10 ppm Resolution: 0.01 ppm	1 / box	6812005
DrägerSensor XXS Ozone	Measurement Range: 0 – 10 ppm Resolution: 0.01 ppm	1 / box	6811540

* Special calibration for Ex sensors are available (standard setting: Methane)

** Dräger provides a 3 year guarantee on the Dräger X-am® 5000 and these sensors. The legal rights arising from defects remain unaffected.

*** Dräger provides a 5 year guarantee on these sensors when installed in an Dräger X-am® 2x/5x/35/8000

Power supply units

NiMH power pack T4	1 / box	3703887
Power pack & charging set Consisting of: rechargeable NiMH power supply T4, charging module and a single charger (for worldwide use)		3703889

Charging accessories

Charging module	1 / box	8318639
Charging set basic consisting of one charging module and a single power supply (worldwide use)	1 / box	8320333
Power supply with connection cable (worldwide use) for max. 20 charging modules - Requires 8325736 adapter	1 / box	8321850
Single charger (worldwide use) for max. 5 charging modules - Requires 8325736 adapter	1 / box	8321849
Car charging connection cable 12 / 24 V for a charging module	1 / box	4530057
Vehicle charger mounting kit for a X-am® 1/2/5x00 car charging module	1 / box	8318779

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Pump accessories			
	Dräger X-am® External Pump incl. USB charger with wall plug and shoulder strap	1 / box	8327115
	CSE Set for Dräger X-am® External Pump	1 / box	83 27117
	USB 2.0 Cable	1 / box	8327108
	USB power supply	1 / box	8327102
	Shoulder strap	1 / box	8319386
	Case for Dräger X-am® External Pump	1 / box	8327104
	Filter with hose connector 3 x 5 mm (0.12 x 0.20 in)	1 / box	8319364
	Filter Set, 20 pieces per pack (no Luer adaptors)	20 / box	3705997
	Clamp, X-am Pump	1 / box	5600956
	Telescopic Probe ES150, 1.5 m (4.9 ft)	1 / box	8316533
	Telescopic Probe, 1.4 m (4.5 ft)	1 / box	4510546
	Telescopic Probe, 2 m (6.5 ft)	1 / box	4510545
	Float probe with Leur Adapter	1 / box	8327654
	5 m / 16.4 ft FKM diameter 3 mm (0.12 in) hose 5 m (16.4 ft)	1 / box	8325705
	Water Trap, Dust/Mist Filter for Hand Pump Kit	1 / box	4523078
Calibration accessories			
	Calibration cradle for X-am® 1/2/5x00	1 / box	8318752
	Dräger X-dock® for Dräger X-am® 1/2/5x00, not including gas cylinder	1 / box	8321880
	Dräger Bump Test Station for Dräger X-am® 5000, not including gas cylinder	1 / box	8319131
	Nonane Checker for Dräger X-am® 5000	1 / box	8320080

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Communication accessories			
Dräger GasVision®		1 / box	8314034
Dräger CC-Vision®		1 / box	Freeware
USB DIRA with USB cable, communication adapter infrared to USB		1 / box	8317409
Cases			
Leather carrying case		1 / box	8318755
Carrying case for charging accessories, probes, external pump, hose and gas cylinder (without content)		1 / box	8320467
Area Monitoring			
Dräger X-zone® 5800, 915 MHz, 24 Ah, with Pump		1 / box	8329040

Technical Data

Dimensions (H x W x D)	48 x 130 x 44 mm; (1.89 x 5.12 x 1.73 in)	
Weight	220 – 250 g; (7.8 - 8.8 oz)	
Ambient conditions	Temperature	-20 to 50 C (-4 to 122 F)
	Pressure	700 – 1,300 hPa
	Humidity	10 – 95% RH
Alarms	Visual	360°
	Acoustic	Multi-tone, typically 100 dB(A) at 30 cm (12 in)
	Vibration	
Operating times (Diffusion)	> 12 hours with Alkaline and NiMH;	
	> 13 hours with NiMH HC; without Ex Sensor typ.	
	> 250 hours with Alkaline Battery; when using the Save Energy Mode > 40 hours	
Charging time	< 4 hours	
Data logger	Can be read out via Infrared > 1,000 hours with 5 gases and a recording interval of 1 value per minute	
Pump operation	Maximum hose length 45 m (147 ft)	

Portable Gas Detection

Technical Data

	I M1, II 1G Ex da ia I Ma, Ex da ia IIC T4 Ga
ATEX	Performance approval to: EN 50104 (2002) + A1 (2004) O ₂ EN 45544 CO & H ₂ S EN 60079-29-1:2007 Methane to nonane EN 50271:2010 Software and documentation
CSA	Class I, Div. 1 Grps. A, B, C, D Class II, Div. 1 Grps. E, F, G T-Code T4/T3
Approvals	Ex ia I Ex ia IIC T3 Ex d ia I Ex d ia IIC T4/T3
IECEX	
CE-mark	Electromagnetic compatibility Directive 2004 / 108 / EG; EN 50270:2006
EAC	PO Ex ia I X 0 Ex ia IIC T4 / T3 X
MED	Marine Equipment Directive 96 / 98 / EC
MSHA	Permissible Gas Detector

Portable Gas Detection

Dräger X-am® 5600

Multi-Gas Detector

Featuring an ergonomic design and innovative infrared sensor technology, the Dräger X-am® 5600 is the smallest gas detection instrument for the measurement of up to 6 gases. Ideal for personal monitoring applications, this robust and water-tight detector provides accurate, reliable measurements of explosive, combustible and toxic gases and vapors as well as oxygen.

Safe gas inlet

Gas entry from two sides

Visual alarm

360° visible alarm

Dräger sensors

Fast, accurate and durable. A visual life signal indicates the continuous operation of the infrared sensor.

Retro-reflective label:

Easy to find in the dark or in water

Large display

All readings at a glance



Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger X-am® 5600**Dräger X-am® 5600**

Consisting of: basic instrument with an integrated data logger, support CD, manufacturer's and calibration certificates. A functional instrument must include up to 4 sensors and a power supply unit.

8322930

Infrared-Sensors

DrägerSensor Dual IR Ex/CO ₂ ES*	Measurement Range: 0 – 100 % LEL, 0 – 100 Vol.-% Methane, Propane, Ethylene, 0 – 5 Vol.-% CO ₂ Resolution: 1 % LEL, 0.1 Vol.-% CH ₄ , 0.01 Vol.-% CO ₂	1 / box	6851880
DrägerSensor IR Ex ES*	Measurement Range: 0 – 100 % LEL, 0 – 100 Vol.-% Methane, Propane, Ethylene Resolution: 1 % LEL, 0.1 Vol.-% CH ₄	1 / box	6851881
DrägerSensor IR CO ₂ ES*	Measurement Range: 0 – 5 Vol.-% CO ₂ Resolution: 0.01 Vol.-% CO ₂	1 / box	6851882

Electrochemical Sensors

Dual Carbon Monoxide (CO) LC/Oxygen (O ₂) XXS	Measurement Range: 0-2000 ppm CO 1 ppm 2 - Yr Resolution: 0-25.0%Vol O ₂ 0.1%Vol	368	6813275
Dual Hydrogen Sulfide (H ₂ S) LC/Oxygen (O ₂) XXS	Measurement Range: 0-100 PPM H ₂ S 0.1 ppm 2 - Yr Resolution: 0-25.0%Vol O ₂ 0.1%Vol	368	6814137
DrägerSensor XXS O ₂	Measurement Range: 0-25 Vol.-% Resolution: 0.1 Vol.-%	1 / box	6810881
DrägerSensor XXS O ₂ PR	Measurement Range: 0 – 30 Vol.-% Resolution: 0.1 Vol.-%	1 / box	6800530
DrägerSensor XXS CO HC	Measurement Range: 0-10,000 ppm Resolution: 5 ppm	1 / box	6812010
DrägerSensor XXS CO/H ₂ compensated	Measurement Range: 0-2,000 ppm CO Resolution: 2 ppm	1 / box	6811950
DrägerSensor XXS H ₂ S LC	Measurement Range: 0-200 ppm Resolution: 0.1 ppm	1 / box	6811525
DrägerSensor XXS H ₂ S HC	Measurement Range: 0-1,000 ppm Resolution: 2 ppm	1 / box	6812015
DrägerSensor XXS NO	Measurement Range: 0 – 200 ppm Resolution: 0.5 ppm	1 / box	6811545

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensor XXS H ₂ S-LC / CO-LC	Measurement Range: 0 – 2000 ppm CO / 0-100 ppm H ₂ S; Resolution: 0.1 ppm H ₂ S / 1 ppm	1 / box	6813280
DrägerSensor XXS NO	Measurement Range: 0–200 ppm Resolution: 0.1 ppm	1 / box	6811545
DrägerSensor XXS NO ₂	Measurement Range: 0 – 50 ppm Resolution: 0.1 ppm	1 / box	6810884
DrägerSensor XXS SO ₂	Measurement Range: 0 – 100 ppm Resolution: 0.1 ppm	1 / box	6810885
DrägerSensor XXS PH ₃	Measurement Range: 0 – 20 ppm Resolution: 0.01 ppm	1 / box	6810886
DrägerSensor XXS PH ₃ HC	Measurement Range: 0 – 2,000 ppm Resolution: 1 ppm	1 / box	6812020
DrägerSensor XXS HCN	Measurement Range: 0 – 50 ppm Resolution: 0.1 ppm	1 / box	6810887
DrägerSensor XXS NH ₃	Measurement Range: 0 – 300 ppm Resolution: 1 ppm	1 / box	6810888
DrägerSensor XXS CO ₂	Measurement Range: 0 – 5 Vol.-% Resolution: 0.1 Vol.-%	1 / box	6810889
DrägerSensor XXS Cl ₂	Measurement Range: 0 – 20 ppm Resolution: 0.05 ppm	1 / box	6810890
DrägerSensor XXS H ₂	Measurement Range: 0 – 2,000 ppm Resolution: 5 ppm	1 / box	6812370
DrägerSensor XXS H ₂ HC	Measurement Range: 0 – 4 Vol.-% Resolution: 0.01 Vol.-%	1 / box	6812025
DrägerSensor XXS OV	Measurement Range: 0 – 200 ppm Resolution: 0.5 ppm	1 / box	6811530
DrägerSensor XXS OV-A	Measurement Range: 0 – 200 ppm Resolution: 1 ppm	1 / box	6811535

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensor XXS Amine	Measurement Range: 0 – 100 ppm Resolution: 1 ppm	1 / box	6812545
DrägerSensor XXS Odorant	Measurement Range: 0 – 40 ppm Resolution: 0.5 ppm	1 / box	6812535
DrägerSensor XXS COCl ₂	Measurement Range: 0 – 10 ppm Resolution: 0.01 ppm	1 / box	6812005

* Special calibration for Ex sensors are available (standard setting: Methane)

Power supply units

NiMH power pack T4		1 / box	3703887
Power pack & charging set Consisting of: rechargeable NiMH power supply T4, charging module and a single charger (for worldwide use)			3703889

Charging accessories

Charging module		1 / box	8318639
Charging set basic consisting of one charging module and a single power supply (worldwide use)		1 / box	8320333
Power supply with connection cable (worldwide use) for max. 20 charging modules - Requires 8325736 adapter		1 / box	8321850
Single charger (worldwide use) for max. 5 charging modules - Requires 8325736 adapter		1 / box	8321849
Car charging connection cable 12 / 24 V for a charging module		1 / box	4530057
Vehicle charger mounting kit for a X-am® 1/2/5x00 car charging module		1 / box	8318779

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Pump accessories			
	Dräger X-am® External Pump incl. USB charger with wall plug and shoulder strap	1 / box	8327115
	CSE Set for Dräger X-am® External Pump	1 / box	8327117
	USB 2.0 Cable	1 / box	8327108
	USB power supply	1 / box	8327102
	Shoulder strap	1 / box	8319386
	Case for Dräger X-am® External Pump	1 / box	8327104
	Filter with hose connector 3 x 5 mm (0.12 x 0.20 in)	1 / box	8319364
	Filter Set, 20 pieces per pack (no Luer adaptors)	20 / box	3705997
	Clamp, X-am Pump	1 / box	5600956
	Telescopic Probe ES150, 1.5 m (4.9 ft)	1 / box	8316533
	Telescopic Probe, 1.4 m (4.5 ft)	1 / box	4510546
	Telescopic Probe, 2 m (6.5 ft)	1 / box	4510545
	Float probe with Luer Adapter	1 / box	8327654
	GP600 Probe (plastic), with Luer connection		8328667
	5 m / 16.4 ft FKM diameter 3 mm (0.12 in) hose 5 m (16.4 ft)	1 / box	8325705
	Kit, pump inlet w/nut, X-am® 1/2/5 Spare	1 / box	4594854
Calibration accessories			
	Dräger Bump Test Station for Dräger X-am® 5000, not including gas cylinder	1 / box	8319131
Communication accessories			
	Dräger GasVision®	1 / box	8314034
	Dräger CC-Vision®	1 / box	Freeware
	USB DIRA with USB cable, communication adapter infrared to USB	1 / box	8317409
System components			
	Dräger X-zone® 5800, 915 MHz, 24 Ah, with Pump	1 / box	8329040

Portable Gas Detection

Technical Data

Dimensions (H x W x D)	47 x 130 x 44 mm (1.85 x 5.12 x 1.73 in)	
Weight	250g (8.8 oz)	
Ambient conditions	Temperature	-20 to 50 C (-4 to 122 F)
	Pressure	700 to 1,300 mbar; 20.7 to 38.4 inch Hg
	Humidity	10 to 95% RH
Alarms	Visual	360°
	Acoustic	Multi-tone >90 dB at 30 cm (1 ft)
Operating time	~10 h or rather ~12 h	
Charging time	< 4 hours	
Data logger	Can be read out via Infrared >1,000 hours with 6 gases and a recording interval of 1 value per minute	
Pump operation	Maximum hose length 45 m (147 ft)	
Approvals	ATEX	I M1, II 1G Ex da ia I Ma, Ex da ia IIC T4 Ga
	IEC	Ex ia I Ma Ex ia IIC T4/T3 Ga for MQG 01
	MED	Marine Equipment Directive 96 / 98 / EC
	CSA	Class I, Div. 1 Grps. A, B, C, D Class II, Div. 1 Grps. E, F, G T-Code T4/T3 Class I, Zone 0, A/Ex ia IIC T4/T3 /Ga

Portable Gas Detection

Dräger X-am® 5800 Multi-Gas Detector

The X-am® 5800 multi-gas detector measures up to six gases and is equipped with a shock-resistant CatEx SR sensor. With the Dräger Gas Detection Connect software, it offers live data transmission and powerful fleet management. Designed for personal monitoring, the X-am® 5800 offers the highest level of safety at a low cost of ownership.

Green illuminated D-light (optional) that signals when the unit is tested and ready for use

CatEx SR (Shock Resistant): measuring flammable gases and vapors, with high shock load resistance

Label area for optional color marking

Easy-to-read display provides the most important information at a glance

Dräger Gas Detection Connect support means easy fleet management with Dräger X-dock® and data transmission with Bluetooth®



Back features a robust clip with D-ring that securely fastens to clothing in the breathing zone

Intuitive visual alarm displays flashing red for gas alarm and yellow for instrument errors

Dräger Sensors in XXS format (electrochemical sensors) measure O₂, CO, and H₂S, with a 5-year warranty.

Robust design carries an IP68 rating, withstands water and dust, and drop test rating is >6 ft / 2m.

Large buttons for ease of use while wearing gloves

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger X-am® 5800**Dräger X-am® 5800**

Dräger X-am® 5800 (configurator) consisting of: Basic device (with data logger), delivery with manufacturer and calibration certificate. Configurator: up to 4 sensors can be selected, sensor configuration can be changed later in product life. Customer-specific settings (firmware) can be selected when ordering, examples: Measurement gas for the CatEx SR sensor (factory setting: methane), alarm thresholds, alarm behavior, quick menu options, D-light etc. Power supply (battery) optional (factory setting: with battery), without charger

3703850

Instruction for use included in the standard scope of delivery in the following languages:
de, en, fr, es, pt, it, nl, ru, zh, ja

9300307

Bluetooth® communication protocol (GATT licence) for subsequent activation

Dräger X-am® Open GATT licence (1 pc.)

3723353

Dräger X-am® Open GATT licence (10 pcs.)

3723354

Dräger X-am® Open GATT licence (50 pcs.)

3723355

Slot 1: CatEx SR sensor (XD-IR/PID Neo - future feature)

Slot 2 - 4: XXS-format electrochemical sensors, including 1 dual sensor

DrägerSensors®

CatEx SR (Shock Resistant) ^{1) 2)} (factory setting: methane, other measuring gases selectable)	Sample Gases: Methane, further gases adjustable (propane, pentane, nonane, hydrogen and many more) Measurement Range: 0 – 100 % LEL Resolution: 1 % LEL Expected service life: > 4 years	1 / box	6851900
	Sample Gases: Methane Measurement Range: 0 – 5 Vol. % Resolution: 0.1 Vol. %		
XXS O ₂ ¹⁾ (4 alarm thresholds)	Sample Gases: oxygen Measurement Range: 0 – 25 Vol. % Resolution: 0.1 Vol. % Expected service life: > 5 years	1 / box	6810881
XXS O ₂ PR (4 alarm thresholds, increased robustness)	Sample Gases: oxygen Measurement Range: 0 – 30 Vol. % Resolution: 0.1 Vol. % Expected service life: > 5 years	1 / box	6800530
XXS CO LC ¹⁾	Sample Gases: carbon monoxide Measurement Range: 0 – 2,000 ppm Resolution: 1 ppm Expected service life: > 5 years	1 / box	6813210

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensors®			
XXS H ₂ S LC ¹⁾	Sample Gases: hydrogen sulphide Measurement Range: 0 – 100 ppm Resolution: 0.1 ppm Expected service life: > 5 years	1 / box	6811525
XXS SO ₂ (option: with KX filter)	Sample Gases: sulphur dioxide Measurement Range: 0 – 100 ppm Resolution: 0.1 ppm Expected service life: > 3 years	1 / box	6810885
XXS NO ₂	Sample Gases: nitrogen dioxide Measurement Range: 0 – 50 ppm Resolution: 0.1 ppm Expected service life: > 3 years	1 / box	6810884
XXS NO ₂ LC	Sample Gases: nitrogen dioxide Measurement Range: 0 – 50 ppm Resolution: 0.05 ppm Expected service life: > 2 years	1 / box	6812600
XXS H ₂ S-LC/CO-LC	Sample Gases: hydrogen sulphide, carbon monoxide Measurement Range: 0 to 100 ppm, 0 to 2,000 ppm Resolution: 0.1 ppm, 1 ppm Expected service life: > 3 years	1 / box	6813280
XXS O ₂ /CO-LC	Sample Gases: oxygen, carbon monoxide Measurement Range: 0 to 25 Vol. %, 0 to 2,000 ppm Resolution: 0.1 Vol. %, 1 ppm Expected service life: > 3 years	1 / box	6813275
XXS O ₂ /H ₂ S-LC	Sample Gases: oxygen hydrogen sulphide Measurement Range: 0 – 2,000 ppm Resolution: 2 ppm Expected service life: > 3 years	1 / box	6814137
XXS CO H ₂ -CP (with compensation for hydrogen)	Sample Gases: carbon monoxide Measurement Range: 0 – 2,000 ppm Resolution: 2 ppm Expected service life: > 3 years	1 / box	6811950
XXS O ₂ 100	Sample Gases: oxygen Measurement Range: 0 to 100 Vol. % Resolution: 0.5 Vol. % Expected service life: > 3 years	1 / box	6812385
XXS CO HC	Sample Gases: carbon monoxide Measurement Range: 0 – 10,000 ppm Resolution: 5 ppm Expected service life: > 3 years	1 / box	6812010

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensors®			
XXS H ₂ S HC	Sample Gases: hydrogen sulphide Measurement Range: 0 – 1,000 ppm Resolution: 2 ppm Expected service life: > 3 years	1 / box	6812015
XXS PH ₃	Sample Gases: phosphine, other compounds available Measurement Range: 0 to 20 ppm Resolution: 0.01 ppm Expected service life: > 3 years	1 / box	6810886
XXS PH ₃ HC	Sample Gases: phosphine Measurement Range: 0 – 20 ppm Resolution: 0.01 ppm Expected service life: > 3 years	1 / box	6812020
XXS HCN	Sample Gases: carbon monoxide Measurement Range: 0 – 2,000 ppm Resolution: 1 ppm Expected service life: > 5 years	1 / box	6810887
XXS HCN PC	Sample Gases: hydrogen cyanide Measurement Range: 0 to 50 ppm Resolution: 0.5 ppm Expected service life: > 1.5 years	1 / box	6813165
XXS NH ₃	Sample Gases: carbon monoxide Measurement Range: 0 bis 300 ppm Resolution: 1 ppm Expected service life: > 2 years	1 / box	6810888
XXS CO ₂	Sample Gases: carbon dioxide Measurement Range: 0 to 5 Vol. % Resolution: 0.1 Vol. % Expected service life: > 1.25 years	1 / box	6810889
XXS OV	Sample Gases: ethylene oxide, other compounds available Measurement Range: 0 – 200 ppm EO Resolution: 0.5 ppm EO Expected service life: > 5 years	1 / box	6811530
XXS OV-A	Sample Gases: ethylene oxide, other compounds available Measurement Range: 0 – 200 ppm EO Resolution: 1 ppm EO Expected service life: > 2 years	1 / box	6811535
XXS NO	Sample Gases: nitric oxide Measurement Range: 0 to 200 ppm Resolution: 0.1 ppm Expected service life: > 2 years	1 / box	6811545

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensors®			
XXS H ₂	Sample Gases: hydrogen Measurement Range: 0 to 2,000 ppm Resolution: 5 ppm Expected service life: > 2 years	1 / box	6812370
XXS H ₂ HC	Sample Gases: hydrogen Measurement Range: 0 to 4 Vol. % Resolution: 0.01 Vol. % Expected service life: > 2 years	1 / box	6812025
XXS Odorant	Sample Gases: tetrahydrothiophene, other compounds available Measurement Range: 0 – 40 ppm Resolution: 0.5 ppm Expected service life: > 2 years	1 / box	6812535
XXS Amine	Sample Gases: methylamine, other compounds available Measurement Range: 0 – 100 ppm Resolution: 1 ppm Expected service life: > 1.5 years	1 / box	6812545
XXS Cl ₂	Sample Gases: chlorine, other compounds available Measurement Range: 0 – 20 ppm Resolution: 0.05 ppm Expected service life: > 2 years	1 / box	6810890
XXS O ₃ (Ozone)	Sample Gases: carbon monoxide Measurement Range: 0 to 10 ppm Resolution: 0.01 ppm Expected service life: > 2 years	1 / box	6811540
XXS COCl ₂	Sample Gases: phosgene Measurement Range: 0 to 10 ppm Resolution: 0.01 ppm Expected service life: > 0.5 years	1 / box	6812005

CatEx SR: T90 response time < 15 s (specified for methane/propane measuring gas), other response times:

see DrägerSensor® & gas detection device handbook

1) Manufacturer's warranty: 5 years, The statutory rights for defects remain unaffected

2) Special calibration for the Ex sensor is possible (default: setting) methane, further target gas calibration and cross calibration is possible).

CatEx SR, sample gas >methane< option: Automatic measuring range switching for measuring gas methane (2 sensitivity calibrations required)

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Power supply units/chargers			
	Charging set Basic consisting of a charging module and a plug-in power supply (worldwide)		8320333
	Battery and charging set (2.0): NiMH supply unit T4 with charging module and power supply unit (complete set)		3703889
	NiMH supply unit T4 (2.0) (contents included in the scope of delivery in part numbers 37 03 850)		3703887
	Charging adapter (for charging a rechargeable battery without X-am unit)		8326101
	Charging module		8318639
	Plug-in power supply (worldwide) for charging 1 unit		8316997
	Plug-in power supply (worldwide) for up to 5 charging modules		8316994
	Adapter for power plug (only necessary for 8321849 and 8321850)		8325736
	Power supply unit 100-240 VAC; 1.33 A for up to 5 charging modules (power supply unit adapter 8325736 additionally required)		8321849
	Power supply unit 100-240 VAC; 6.25 A for up to 20 charging modules (power supply unit adapter 8325736 additionally required)		8321850
	Truck charger connection cable 12 V / 24 V for charging module (straight plug)		4530057
	Truck charger connection cable 230 V for charging module (straight plug, for use on 230 V sockets with the vehicle installation bracket in vehicles)		8315675
	Truck charger mounting bracket for a Dräger X-am® 1/2/5x00 charging module (base plate and strap). (also requires part number 4530057 or 8315675)		8318779
	Replacement strap for truck charger bracket		8318788
Pump accessories			
	Dräger X-am® Pump (includes USB charger, wall plug, and shoulder strap). Case not included.		8327115
	GP600 Probe (plastic), with Luer connection		8328667
	Telescopic probe ES 150, stainless steel (connection for filter is included in SN 8319364 (dust/water filter)		8316533
	Floating probe (transparent), with adapter		8327654
	5 m FKM hose, 3.2 mm, with adapters		8325705
	10 m FKM hose, 3.2 mm, with adapters		8325706
	25 m FKM hose, 3.2 mm, with adapters		8325707
	45 m FKM hose, 3.2 mm, with adapters		8325712
	Dust and water filter for pump inlet (replacement filter)		8319364
	Dust and water filter for pump inlet (replacement filter, 20 pieces)		3705997
	Confined space entry kit (free measuring) with external pump and 5 m FKM hose		8327117
	Empty case, with space for X-am® 1/2/5x00, charging accessories, probe, gas cylinder, pump, 3 m hose and much more.		8327112
	Other probes and hoses		On Request

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Calibration accessories			
	Calibration adapter for Dräger X-am® 1/2/5x00		8318752
	Further versions and accessories Dräger X-dock® accessories		Please contact Dräger.
	Automatic test station Dräger X-dock® 5300 (with master) 1/2/5x00		8321880
	Dräger X-dock® module X-am® 125		8321890
	Dräger X-dock® module X-am® 125+ (with charging function)		8321891
	Dräger Bump Test Station for Dräger X-am® 1/2/5x00 (without gas cylinder)		8319131
	Test gas: CH ₄ 2.5 Vol. %, O ₂ 17 Vol. %, CO 100 ppm, H ₂ S 25 ppm		4594655
	Test gas: Other types		Please contact Dräger.
	Other accessories (hoses, valves, etc.)		Please contact Dräger.
Accessories for measured value acquisition and configuration			
	Dräger CC Vision		Freeware (www.draeger.com/software)
	Dräger GasVision licence key		8325646 Trial version (www.draeger.com/software)
	USB DIRA with USB cable, infrared USB communication adapter (note: Positioning is done with the calibration is made with the calibration adapter 8318752).		8317409
Dräger Gas Detection Connect			
	GDC Intro License includes: Access, infrastructure, connection of up to 99 X-dock stations and/or ConHub, valid for one year after activation.		3719332
	GDC Basic License includes: IT infrastructure (data storage, maintenance, automatic feature updates, troubleshooting). 24/7 support, access		3719809
	GDC Asset License includes: Definable number of X-dock stations and ConHub, requires the Basic License		3719810
	GDC Asset Lite includes: One X-dock station, non-expandable, does not require a Basic License		3719811
	Gas Detection Connect Asset License – 5 years		3719820

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Other accessories			
Leather bag			8318755
Transponder reader (for reading the optionally integrated RFID transponder)			6559283
Set of stickers X-am® 2800/5800 silver (10x)			3703852
Set of stickers X-am® 2800/5800 red (10x)			3703853
Set of stickers X-am® 2800/5800 blue (10x)			3703854
Set of stickers X-am® 2800/5800 yellow (10x)			3703855
Set of stickers X-am® 2800/5800 green (10x)			3703856
Set display protection cover X-am 2800/5800 (10x)			3703857
E-set Upgrade RFID transponder (5 pcs.) (with adhesive tape) (with adhesive tape)			3703898
Seal ring extractor (for changing XXS sensors) (Selected sensors are supplied with a similar tool ex works)			R21402

Technical Data

Dimensions (H x W x D)	130 x 48 x 44 mm (5.12 x 1.89 x 1.73 in)	
Weight	typically 220 to 250 g (7.76 to 8.82 oz), depending on sensor equipment	
Housing	robust 2-component housing	
Display	Matrix display with high resolution	
Ambient conditions	Matrix display with high resolution	-20 to +50°C (-4 to 122 F) (Measurement and storage) -40 to +50°C (-40 to 122 F) (Use in potentially explosive atmospheres)
	Pressure	700 to 1,300 mbar; 20.7 to 38.4 inch Hg 10 to 95% RH
	Humidity	10 to 95 % r.h. 5 to 95 % r.h. short term
	Protection class	IP 68
Alarms	Visual	3 LED 'red' (gas alarms) 3 LED 'yellow' (device alarms)
	Acoustic	Multi-tone > 90 dB at 30 cm (12 in)
	Vibration	
Energy supply	NiMH battery, rechargeable, replaceable by user	
Bluetooth®	Bluetooth 5.0 (disabled for some countries outside the EU and outside North America, but can be retrofitted. Contact DrägerService.)	

Portable Gas Detection

Technical Data

Operating times	For CatEx SR typical 12 h (Bluetooth® active), Operating with electrochemical sensors only: typical 100 h	
Charging time	< 4 hours	
Ready for Measurement	< 60 s after switch-on (CatEx SR and electrochemical sensors)	
Data logger	Application of an optimised data compression method with high accuracy and large storage capacity. (Typically data compression >90 % compared to the traditional data logger concept with adjustable interval)	
Approvals Marking Explosion protection	ATEX	I M1 Ex da ia I Ma II IG Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
	IECEX	Ex da ia I Ma Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
	cCSAus (USA and Canada)	CSA approval cCSAus Class I, Zone 0, AEx da ia IIC T4/T3 Ga Class I, Division I, Groups A, B, C, D Class II, Division 1, Groups E, F, G
	EAC	Contact Dräger for availability
	Directives	2014/34/EU (ATEX) 2014/53/EU (RED) 2011/65/EU (RoHS)
Manufacturer's warranty	4 years for the device (electronics and housing)	
	5 years for the following sensors: XXS CO LC, XXS H2S LC, XXS O2 Other sensors: See DrägerSensor® & gas detection device handbook	
	3 years for: LEL CatEx SR	
	2 years for: O2 PR	
	1 year for the power supply (accumulator)	

Portable Gas Detection

Dräger X-am® 3500 Multi-Gas Detector

The Dräger X-am® 3500 was especially designed for clearance measurements and personnel monitoring applications. The 1 to 4 gas detector reliably detects flammable gases and vapors as well as O₂, CO, H₂S, NO₂ and SO₂. The innovative signaling design and extensive range of accessories ensure optimum safety and easy handling.

Switch easily between pump
and diffusion mode

Slots for DrägerSensors® to
measure up to four gases

D-406-2018



Glowing green D-light indicates that
the unit is tested and ready for use

Easy-to-read color display
with zoom function

Inductive charging for
reduced maintenance

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger X-am® 3500**Dräger X-am® 3500**

Consists of: device with power supply (Lithium-ion battery), integrated pump, pump adapter, data logger, manufacturer's certificate, certificate of calibration. Ex = CatEx 125 PR, Calibration gas = Methane. Instruction for use included as standard in the following languages: DE, EN, FR, ES, PT, IT, NL, RU, ZH, JA

Dräger X-am® 3500 Ex, O ₂ (without charging equipment)*		1 / box	8328412
Dräger X-am® 3500 Ex, O ₂ , H ₂ S LC (without charging equipment)*		1 / box	8328414
Dräger X-am® 3500 Ex, O ₂ , CO LC (without charging equipment)*		1 / box	8328416
Dräger X-am® 3500 Ex, O ₂ , CO LC, H ₂ S LC (without charging equipment)*		1 / box	8328418
Dräger X-am® 3500 Ex, O ₂ , CO LC, H ₂ S LC Set (with charging equipment)*		1 / box	8328419
Dräger X-am® 3500 Ex, O ₂ , CO LC, NO ₂ (without charging equipment)*		1 / box	8328422
Dräger X-am® 3500 Ex, O ₂ , H ₂ S LC, SO ₂ (without charging equipment)*		1 / box	8328424
Technical handbook available in the following languages: DE, EN, FR, ES, RU			website download

Sensors

CatEx 125 PR*	Measurement Range 0–100 % LEL Resolution 1 % LEL	1 / box	6812950
DrägerSensor® XXS O ₂ **	Measurement Range 0–25 vol% Resolution 0.1 vol%	1 / box	6810881
DrägerSensor® XXS CO LC**	Measurement Range 0–2,000 ppm Resolution 1 ppm	1 / box	6813210
DrägerSensor® XXS H ₂ S LC**	Measurement Range 0–200 ppm Resolution 0.1 ppm	1 / box	6811525
DrägerSensor® XXS NO ₂	Measurement Range 0–50 ppm Resolution 0.1 ppm	1 / box	6810884
DrägerSensor® XXS SO ₂	Measurement Range 0–100 ppm Resolution 0.1 ppm	1 / box	6810885

* A three-year manufacturer's warranty applies to these sensors. Legal rights accruing from defects remain unaffected.

**Dräger provides a 5 year guarantee on these sensors when installed in an Dräger X-am® 2x/5x/35/8000

Power supply unit

Energy supply (incl. back housing)	(included as standard)	1 / box	8326817
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Charging accessories

Inductive charger for charging 1 device		1 / box	8325825
Adapter for power plug		1 / box	8325736

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Power plug for charging 1 device		1 / box	8316997
Power plug 100–240 VAC; 1.25 A, for charging up to 5 devices	(requires adapter 8325736)	1 / box	8321849
Power plug 100–240 VAC; 6.25 A, for charging up to 20 devices	(requires adapter 8325736)	1 / box	8321850
Vehicle connector cable 12/24 V for charging 1 device		1 / box	4530057
Vehicle connector cable 12/24 V DC for charging up to 5 devices	(requires adapter 8325736)	1 / box	8321855
Vehicle mount	(requires adapter for power plug 83 25 736 and vehicle connector cable 12/24 V DC 83 21 855)	1 / box	8327636
Pump accessories			
Dust and water filter for pump inlet		1 / box	8319364
Filter Set, 20 pieces per pack (no Luer adaptors)		20 / box	3705997
Pump adapter		1 / box	8326820
Probes and Hoses			
Telescopic probe 100		1 / box	8316530
Telescopic probe 150, stainless steel	Connection for filter is included in order no. 8319364 (Dust/Water Filter)	1 / box	8316533
GP600 Probe (plastic), with Luer connection			8328667
5 m (16.4 ft) FKM hose, 3.2 mm, with adapters		1 / box	8325705
10 m (33 ft) FKM hose, 3.2 mm, with adapters		1 / box	8325706
20 m (66 ft) FKM hose, 3.2 mm, with adapters up to 5 devices		1 / box	8325707
45 m (147 ft) FKM hose, 3.2 mm, with adapters		1 / box	8328212
Float probe EPP, incl. 3 m hose, 3.2 mm		1 / box	8325831
Float probe EPP, incl. 10 m hose, 3.2 mm		1 / box	8325832
Float probe (transparent), with adapter		1 / box	8327654
Additional probes, hoses and accessories are available from Dräger. Please contact us.			
Calibration accessories			
Dräger X-am® 3500/8000 calibration adapter		1 / box	8326821
Dräger X-dock® Module Dräger X-am® 3500/ 8000		1 / box	8321893
Dräger X-dock® Module Dräger X-am® 3500/8000+ charging		1 / box	8321894
Dräger X-dock® 5300 (Dräger X-am® 3500/8000) with Master		1 / box	8321882
Test gases	Please contact Dräger		
Holder for USB Dira Dongle		1 / box	8325859

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Accessories for measured value acquisition and configuration			
Dräger CC-Vision®	Freeware (www.draeger.com/software)		
Dräger GasVision® License Key			8325646
USB Dira Dongle / IR interface		1 / box	8317409
Other accessories			
Protective rubber boot, removable		1 / box	8325858
Leather case for the device		1 / box	8327664
Transport case (empty)		1 / box	8327661
Protective Display cover		3 / box	8326828
Shoulder strap (complete)	(requires connector for shoulder strap 8326819)	1 / box	8326823
Retractable lanyard	(requires connector for shoulder strap)	1 / box	8323032
Holder for labels (on strap)		1 / box	8326824
Adhesive labels for individual inscriptions, for holder on strap, silver (Blue, red, green, yellow also available)		5 / box	8327645
Pedestal for holding device upright, e.g. for area monitoring	(requires connector for shoulder strap)	1 / box	8325874
Transponder reader for reading the integrated RFID transponder (optional)		1 / box	6559283

Technical Data

Dimensions (H x W x D)	179 x 77 x 42 mm (7.0 x 3.0 x 1.7 in)		
Weight	Approx. 495 g (17.5 oz), depending on sensor configuration, without strap, without pump Approx. 550 g (19.4 oz), depending on sensor configuration, without strap, with pump		
Housing	Durable two-component housing		
Display	High-contrast color display		
Temperature	-4°F to 122°F -20 to 50 C (-4 to 122 F)		
Pressure	700 to 1.300 hPa		
Relative humidity	10 to 90% (short-term up to 95%) r.h.		
Alarms	Visual	3 LED 'red' (gas alarms), 3 LED 'yellow' (device alarms)	
	Acoustic	Multi-tone, typically 100 dB(A) at 30 cm (12 in)	
	Vibration		

Portable Gas Detection

Technical Data

Ingress protection class	IP 68	
Energy supply	Lithium-ion battery, rechargeable, inductive charging	
Operating times (Diffusion)	With CatEx and 3 EC sensors	Typically 24 hours
	With 3 EC-sensors	Typically 120 hours
Charging times	Typically 4 hours after use during a shift of max. 10 hours	
Start-up times	Typically <60 seconds for standard sensors	
Data storage	12 MB, e.g. at 10 minutes per hour of gas exposure with measuring values changing by the second on all 4 channels: approx. 300 hours	
Pump operation	Max. hose length 147.6 feet 45 m (147.6 ft)	
Approvals	ATEX / IECEx	I M1, II 1G Ex da ia I Ma, Ex da ia IIC T4 Ga
		Metrological approval pending
	cCSAus	Class II, Div. 1, Groups E, F and G
		Ex da ia IIC T4 Ga
		Class I, Zone 0, AEx da ia IIC T4 Ga
CE labelling	MED / DNV GL (Please contact Dräger regarding availability)	
Manufacturer's warranty	3 years for the device	
	1 year for the power supply	
	Sensors: see DrägerSensor® & Portable Instruments Handbook	

Portable Gas Detection

Dräger X-am® 8000 Multi-Gas Detector

Clearance measurement was never this easy and convenient: The Dräger X-am® 8000 measures up to seven gases, including toxic, flammable gases and vapors, and oxygen all at once—either in pump or diffusion mode. Innovative signaling design and handy wizard functions ensure complete safety throughout the process.

Switch easily between pump and diffusion mode

Impact detection informs you of severe mechanical stresses

Intuitive smart assistants for clearance measurement, leak detection, and benzene-specific testing with the PID (pre-tube)

Glowing green D-light indicates that the unit is tested and ready for use

Five slots for DrägerSensors® to measure up to seven gases, two new high-performance PID sensors

Easy-to-read color display with zoom function

Inductive charging for reduced maintenance



D-6491-2017

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger X-am® 8000**Dräger X-am® 8000**

Consists of: device with power supply (Lithium-ion battery), data logger, shoulder strap, manufacturer's certificate, certificate of calibration, and charger (optional). A fully functioning device allows up to 5 sensors and an optional integrated pump. Instruction for use included as standard in the following languages: DE, EN, FR, ES, PT, IT, NL, RU, ZH, JA PT, IT, NL, RU, ZH, JA

8325800

Free instruction for use on request (please indicate when ordering), also available in the following languages: DA, FI, NO, SV, PL, HR, SL, SK, CS, BG, RO, HU, EL, TR, KO

9033656

Technical handbook available in the following languages: DE, EN, FR, ES, RU. Available to download from the product website.

Selectable device options when ordering	Integrated pump with pump adapter	
	RFID transponder	

The charging cradle/power plug can be deselected during the ordering process.

Slot 1: PID or IR sensor

Slot 2: IR or CatEx sensor

Slots 3-5: Electrochemical sensors (XXS format)

Sensors

Sensor	Measurement Range	Resolution	Packaging unit/type	Order No.
CatEx 125 PR*, **	0–100 % LEL, 0–100 vol% CH ₄	1 % LEL	1 / box	6812950
Cat-Ex 125 PR Gas*	0–100 % LEL, 0–100 vol% CH ₄	1 % LEL	1 / box	6813080
Dual IR Ex/CO ₂ *	0–100 % LEL, 0–100 vol% CH ₄ , 0–5 vol% CO ₂	1 % LEL, 0.2 vol%, 0.01 vol% CO ₂ or 50 ppm CO ₂	1 / box	6851880
Dual IR Ex/CO ₂ HC*	Ex 0–100 %LEL, 0–100 %Vol - CO ₂ 0–100 %Vol;	Resolution: Ex 1 %LEL - CO ₂ 0.1 %Vol	1 / box	6800276
IR Ex*	0–100 % LEL, 0–100 vol% CH ₄	1 % LEL, 0.2 vol%	1 / box	6851881
IR CO ₂	0–5 vol% CO ₂	0.01 vol% CO ₂ or 50 ppm CO ₂	1 / box	6851882
DrägerSensor® PID LC ppb (10.6 eV)	0.025–10 ppm Isobutylene	Resolution: 0–2 ppm / 10 ppb, >2–5 ppm / 20 ppb, >5–10 ppm / 50 ppb	1 / box	6813500
DrägerSensor® PID HC (10.6 eV)	0–2,000 ppm Isobutylene	Resolution: 0–20 ppm / 100 ppb, >20–50 ppm / 200 ppb, >50–100 ppm / 500 ppb, >100–200 ppm / 1 ppm, >200–500 ppm / 2 ppm, >500–1,000 ppm / 5 ppm, >1,000–2,000 ppm / 10 ppm	1 / box	6813475
DrägerSensor® XXS O ₂ **	0–25 vol%	Resolution: 0.1 vol%	1 / box	6810881
DrägerSensor® XXS O ₂ 100	0–100 vol%	Resolution: 0.5 vol%	1 / box	6812385
DrägerSensor® XXS O ₂ PR	0–30%	Resolution: 0.1%	1 / box	6800530

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensor® XXS CO LC**	Measurement Range: 0–2,000 ppm Resolution: 1 ppm	1 / box	6813210
DrägerSensor® XXS CO HC	Measurement Range: 0–10,000 ppm Resolution: 5 ppm	1 / box	6812010
DrägerSensor® XXS CO/H ₂ compensated	Measurement Range: 0–2,000 ppm CO Resolution: 2 ppm	1 / box	6811950
DrägerSensor® XXS H ₂ S LC**	Measurement Range: 0–200 ppm Resolution: 0.1 ppm	1 / box	6811525
DrägerSensor® XXS H ₂ S HC	Measurement Range: 0–1,000 ppm Resolution: 2 ppm	1 / box	6812015
DrägerSensor® XXS CO LC/H ₂ S LC	Measurement Range: 0–2,000 ppm CO/, 0–100 ppm H ₂ S Resolution: 0–100 ppm H ₂ S, 0.1 ppm H ₂ S	1 / box	6813280
DrägerSensor® XXS CO LC/O ₂	Measurement Range: 0–2,000 ppm CO/, 0–25 vol% Resolution: 1 ppm CO, 1 vol% O ₂	1 / box	6813275
Dual Hydrogen Sulfide (H ₂ S) LC/Oxygen (O ₂) XXS	Measurement Range: 0–100 PPM H ₂ S 0.1 ppm 2 - Yr Resolution: 0–25.0% Vol O ₂ 0.1%Vol	368	6814137
DrägerSensor® XXS NO	Measurement Range: 0–200 ppm Resolution: 0.1 ppm	1 / box	6811545
DrägerSensor® XXS NO ₂	Measurement Range: 0–50 ppm Resolution: 0.1 ppm	1 / box	6810884
DrägerSensor® XXS NO ₂ LC	Measurement Range: 0–50 ppm Resolution: 0.02 ppm	1 / box	6812600
DrägerSensor® XXS SO ₂	Measurement Range: 0–100 ppm Resolution: 0.1 ppm	1 / box	6810885
DrägerSensor® XXS PH ₃	Measurement Range: 0–20 ppm Resolution: 0.01 ppm	1 / box	6810886
DrägerSensor® XXS PH ₃ HC	Measurement Range: 0–2,000 ppm Resolution: 1 ppm	1 / box	6812020
DrägerSensor® XXS HCN	Measurement Range: 0–50 ppm Resolution: 0.1 ppm	1 / box	6810887
DrägerSensor® XXS HCN PC	Measurement Range: 0–50 ppm Resolution: 0.5 ppm	1 / box	6813165
DrägerSensor® XXS NH ₃	Measurement Range: 0–300 ppm Resolution: 1 ppm	1 / box	6810888
DrägerSensor® XXS CO ₂	Measurement Range: 0–5 vol% Resolution: 0.1 vol%	1 / box	6810889
DrägerSensor® XXS Cl ₂	Measurement Range: 0–20 ppm Resolution: 0.05 ppm	1 / box	6810890
DrägerSensor® XXS H ₂	Measurement Range: 0–2,000 ppm Resolution: 5 ppm	1 / box	6812370
DrägerSensor® XXS H ₂ HC	Measurement Range: 0–4 vol% Resolution: 0.01 vol%	1 / box	6812025

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
DrägerSensor® XXS OV	Measurement Range: 0–200 ppm Resolution: 0.5 ppm	1/ box	6811530
DrägerSensor® XXS OV-A	Measurement Range: 0–200 ppm Resolution: 1 ppm	1/ box	6811535
DrägerSensor® XXS Amine	Measurement Range: 0–100 ppm Resolution: 1 ppm	1/ box	6812545
DrägerSensor® XXS Odorant	Measurement Range: 0–40 ppm Resolution: 0.5 ppm	1/ box	6812535
DrägerSensor® XXS COCl ₂	Measurement Range: 0–10 ppm Resolution: 0.01 ppm	1/ box	6812005
DrägerSensor® XXS Ozone	Measurement Range: 0–10 ppm Resolution: 0.01 ppm	1/ box	6811540

* Special calibrations possible for the Ex sensors (Standard: methane)

**Dräger provides a 5 year guarantee on these sensors when installed in an Dräger X-am® 25/5x/35/8000

Power supply unit

Energy supply (incl. back housing)	(Included as standard)		8326817
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Charging accessories

Inductive charger for charging 1 device	(Included as standard, deselectable)	1/ box	8325825
Leather case for the device	(Included as standard, deselectable)	1/ box	8325736
Power plug for charging 2 devices		1/ box	8315635
Power plug for charging 5 devices		1/ box	8316994
Power plug 100-240 VAC; 1.25 A, for charging up to 5 devices - Requires 8325736 adapter	(Included as standard, deselectable)	1/ box	8321849
Power plug 100-240 VAC; 6.25 A, for charging up to 20 devices - Requires 8325736 adapter		1/ box	8321850
Vehicle connector cable 12/24 V for charging 1 device		1/ box	4530057
Vehicle connector cable 12/24 V DC for charging up to 5 devices - Requires 8325736 adapter		1/ box	8321855
Vehicle mount		1/ box	8327636

Test gases.

Please contact Dräger.

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Accessories for measured value acquisition and configuration			
Dräger CC-Vision®	Freeware (www.draeger.com/software)		
Dräger GasVision® License Key			8325646
USB Dira Dongle / IR interface		1 / box	8317409
Holder for USB Dira Dongle		1 / box	8325859
Other accessories			
Protective rubber boot, removable		1 / box	8325858
Leather case for the device		1 / box	8327664
Transport case (empty)		1 / box	8327661
Protective Display cover		3 / box	8326828
Shoulder strap (complete)	(included as standard)	1 / box	8326823
Retractable lanyard		1 / box	8323032
Holder for labels (on strap)	(included as standard)	1 / box	8326824
Adhesive labels for individual inscriptions, for holder on strap, Silver, Red, Green, Blue, Yellow labels also available	(included as standard)	5 / box	8327645
Pedestal for holding device upright, e.g. for area monitoring		1 / box	8325874
Transponder reader for reading the integrated RFID transponder (optional)		1 / box	6559283
Accessories for Photoionization Detector (PID)			
Pre-tube holder		1 / box	6813 769
Pre-tube benzene (package, 10 units)		10 / box	8103 511
Pre-tube humidity (package, 10 units)		10 / box	8103 531
Pre-tube activated carbon (package, 10 units)		10 / box	CH24101
Tube opener TO 7000		1 / box	6401200
Leather case set for photoionization detector, incl. Leather case for the device		1 / box	8327639
PID lamp cleaning set		1 / box	8319111
Probes and Hoses			
Telescopic probe 100	Connection for filter is included in P/N 8319364 (Dust/Water Filter)	1 / box	8316530
Telescopic probe 150, stainless steel	Connection for filter is included in P/N 8319364 (Dust/Water Filter)	1 / box	8316533

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
	5 m (16.4 ft) FKM hose, 3.2 mm, with adapters	1 / box	8325705
	10 m (33 ft) FKM hose, 3.2 mm, with adapters	1 / box	8325706
	20 m (66 ft) FKM hose, 3.2 mm, with adapters	1 / box	8325707
	Float probe EPP, incl. 3 m (10 ft) hose, 3.2 mm	1 / box	8325831
	Float probe EPP, incl. 10 m (33 ft) hose, 3.2 mm	1 / box	8325832
	Float probe (transparent), with adapter	1 / box	8327654

Additional probes, hoses and accessories are available from Dräger. Please contact us.

Technical Data

Dimensions (H x W x D)	179 x 77 x 42 mm (7.0 x 3.0 x 1.7 in)	
Weight	Approx. 495 g (17.5 oz), depending on sensor configuration, without strap, without pump Approx. 550 g (19.4 oz), depending on sensor configuration, without strap, with pump	
Housing	Durable two-component housing	
Display	High-contrast color display	
Temperature	-20 to 50 C (-4 to 122 F)	
Pressure	700 to 1.300 hPa	
Relative humidity	10 to 90% (short-term up to 95%) r.h.	
Alarms	Visual	3 LED 'red' (gas alarms), 3 LED 'yellow' (device alarms)
	Acoustic	Multi-tone, typically 100 dB(A) at 30 cm (12 in)
	Vibration	
Ingress protection class	IP 68	
Energy supply	Lithium-ion battery, rechargeable, inductive charging	
Operating times (Diffusion)	With CatEx and 3 EC sensors	Typically 24 hours
	With IR and 3 EC sensors	Typically 22 hours
	With 3 EC-sensors	Typically 120 hours
	With CatEx, PID and 3 EC sensors	Typically 17 hours
	With IR, PID and 3 EC sensors	Typically 16 hours
	PID only	Typically 42 hours
Charging times	Typically 4 hours after use during a shift of max. 10 hours	

Portable Gas Detection

Technical Data

Start-up times	Typically <60 seconds for standard sensors	
Data storage	12 MB, e.g. at 10 minutes per hour of gas exposure with measuring values changing by the second on all 7 channels: approx. 210 hours	
Pump operation	Max. hose length 45 m (147.6 ft)	
Approvals	ATEX / IECEx	I M1, II 1G Ex da ia I Ma, Ex da ia IIC T4 Ga Metrological approval pending
	cCSAus	Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G T4 C22.2 No. 152, ANSI-ISA 12.13.01:2000
	CE labelling	
	MED / DNV GL (Please contact Dräger regarding availability)	
Manufacturer's warranty	3 years for the device	
	1 year for the power supply	
	Sensors: see DrägerSensor® & Portable Instruments Handbook	

Portable Gas Detection

Dräger X-pid® 9500/9500+ Multi-Gas Detector

The selective PID gas measurement device is ideal for users who frequently test for hazardous toxic substances. Benzene, butadiene and other volatile organic compounds (VOCs) are carcinogenic even in the smallest concentrations. Selective measurement is necessary because other gases and vapors are often also present. The Dräger X-pid® 9500 allows for short test times and laboratory-quality results.

Sensor unit

compiles measurement values and sends them via Bluetooth to the control unit

Integrated photoionization detector (PID)

for measuring down to the low ppb range

Control unit

with large touch screen and connectivity via Wi-Fi and 4G/LTE



D-806-2018

D-815-2018-RT

Integrated gas chromatography (GC)

to separate compounds in gas-vapor-mixtures

Integrated pump

for attaching a hose of up to (33 ft) length

Mobile app

allows intuitive handling and control

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger X-Pid® 9500**Dräger X-pid® 9500**

Dräger X-pid® 9500 with sensor unit, control unit with pre-installed mobile app, test gas adapter, power supplies and charging cables			6851848
Test and calibration gas, 58 liters	Isobutylene 10 ppm, Toluene 10 ppm	1 / box	3701900
Benzene test gas, 103 liters	Benzene 5 ppm	1 / box	3700266
Control valve basic 0.5 LPM	Fits to 58 l Test gas cylinder	1 / box	4557020
Dräger X-pid® 9500 test gas adapter		1 / box	6851850
Case for Dräger X-pid® 9500		1 / box	6851851
9500+ Upgrade			3729699
Sampling hose Tygon with inlined PTFE hose	Length 3 m (10 ft); OD: 8 mm; ID: 4.8 mm; WD: 1.6 mm	1 / box	4594679
Sampling hose FKM (solvent resistant)	OD: 6.4 mm; ID: 3.2 mm; WD: 1.6 mm	1 / box	8325837
Dust and water filter with hose adapter		1 / box	8319364
Filter Set, 20 pieces per pack (no Luer adaptors)		20 / box	3705997
Telescopic probe ES 150	Length up to 150 cm (5 ft) with FKM sampling hose extension	1 / box	8316533
Bar probe 90	Length: 90 cm (3 ft) with FKM sampling hose extension	1 / box	8316532
Float probe without hose		1 / box	6802337

Technical Data

Dimensions (W × H × D)	Approx. 132 x 281 x 56 mm (5.2 x 11.1 x 2.2 in)	
Weight	Approx. 880 g (2 lb)	
Ambient conditions	Temperature	-10 to 35 C (14 to 95 F)
	Pressure	700 to 1,300 mbar
	Relative humidity	10% to 95% RH
Protection class	IP54	
Start-up phase	Approx. 10 min can be increased at low ambient temperatures/ configuration of the life signal	
Operating time	Typically 6 h, reduces with lower ambient temperatures	

Portable Gas Detection

Technical Data

Approvals	Ex-Zone	Sensor Unit: 0 Control Unit (ecom Smart-Ex 01): 1
	ATEX	Sensor Unit: II 1G Ex ia IIC T4 Ga IP54 Control Unit (ecom Smart-Ex 01): II 2G Ex ib IIC T4 Gb IP64
	IECEX	Sensor Unit: Ex ia IIC T4 Ga IP54 Control Unit (ecom Smart-Ex 01): Ex ib IIC T4 Gb IP64
	cCSAus	Sensor Unit: Class I, Div 1 Groups A-D T4 Control Unit (ecom Smart-Ex 02): Class I, Div 1 Groups A-G T4

A Versatile Detector for more than 40 compounds

The Dräger X-pid® 9500 offers the possibility of combining more than 60+ target compounds into individual analysis programs thus expanding its application range.

List of Dräger X-pid® 9500 target compounds

Target compound	Chemical Formula	CAS number
Acetone	C ₃ H ₆ O	67-64-1
Acrolein	C ₃ H ₄ O	107-02-8
Benzene	C ₆ H ₆	71-43-2
Butadiene, 1,3-	C ₄ H ₆	106-99-0
Butyl acetate	C ₆ H ₁₂ O ₂	123-86-4
Butyraldehyde	C ₄ H ₈ O	123-72-8
Carbon disulfide	CS ₂	75-15-0
Cyclohexane	C ₆ H ₁₂	110-82-7
Dichloroethene, 1,1-	C ₂ H ₂ Cl ₂	75-35-4
Dichloroethene, cis-1,2-	C ₂ H ₂ Cl ₂	156-59-2
Dichloroethene, trans-1,2-	C ₂ H ₂ Cl ₂	156-60-5
Diethyl carbonate	C ₅ H ₁₀ O ₃	105-58-8
Dimethyl carbonate	C ₃ H ₆ O ₃	616-38-6
Ethanol	C ₂ H ₆ O	64-17-5
Ethyl methyl carbonate	C ₄ H ₈ O ₃	623-53-0
Ethylbenzene	C ₈ H ₁₀	100-41-4
Ethylene oxide	C ₂ H ₄ O	75-21-8
Heptane	C ₇ H ₁₆	142-82-5

Portable Gas Detection

Technical Data

List of Dräger X-pid® 9500 target compounds

Target compound	Chemical Formula	CAS number
Hexane, n-	C ₆ H ₁₄	110-54-3
Hydrogen sulfide	H ₂ S	7783-06-4
Isobutylene	C ₄ H ₈	115-11-7
Isopropanol	C ₃ H ₈ O	67-63-0
Methyl acrylate	C ₄ H ₆ O ₂	96-33-3
Methyl bromide	CH ₃ Br	74-83-9
Methyl methacrylate	C ₅ H ₈ O ₂	80-62-6
Methylbutyraldehyde, 2-	C ₅ H ₁₀ O	96-17-3
Phosphine	PH ₃	7803-51-2
Propanol, 1-	C ₃ H ₈ O	71-23-8
Propylene oxide	C ₃ H ₆ O	75-56-9
Styrene	C ₈ H ₈	100-42-5
Tetrachloroethylene	C ₂ Cl ₄	127-18-4
Tetrahydrofuran	C ₄ H ₈ O	109-99-9
Toluene	C ₇ H ₈	108-88-3
Trichloroethylene	C ₂ HCl ₃	79-01-6
Vinyl acetate	C ₄ H ₆ O ₂	108-05-4
Vinyl chloride	C ₂ H ₃ Cl	75-01-4
Xylene, m-	C ₈ H ₁₀	108-38-3
Xylene, o-	C ₈ H ₁₀	95-47-6
Xylene, p-	C ₈ H ₁₀	106-42-3
Butanone, 2-	C ₄ H ₈ O	78-93-3
Butyl acrylate	C ₇ H ₁₂ O ₂	141-32-2
Chlorobenzene	C ₆ H ₅ Cl	108-90-7
Epichlorohydrin	C ₃ H ₅ ClO	106-89-8
Ethyl acetate	C ₄ H ₈ O ₂	141-78-6

Portable Gas Detection

Dräger X-zone® 5800 Area Monitoring

Dräger's X-zone® 5800 brings a safer, more effective way to monitor hazardous gases—reinventing area monitoring. In combination with the Dräger X-am® 5000, 5100, or 5600 gas detection instruments, the X-zone® 5800 can be used for the measurement of up to six gases and exponentially extends the range of your portable gas detection technology.



Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger X-zone® 5800			
Dräger X-zone® 5800			
	Dräger X-zone® 5800 with integrated pump, 915 MHz, 24 Ah battery with diffusion and pump cap	1 / box	8329040
	X-zone® 5800 bump test adapter	1 / box	8323314
	Alarm damper	1 / box	8320110
	Leg extender stand, 25 cm (10 in) high	1 / box	8320645
	Electrolube, contact protectant, 2 ml	1 / box	8324826
	Set pin block	1 / box	8325323
Charging accessories			
	Inductive charger	1 / box	8322080
	Plug-in charger	1 / box	8320749
	Ex Power Supply	1 / box	8329010
	Ex Power Supply power cord	1 / box	8329049
Pump accessories			
	Float probe with 5 m (16.4 ft) FKM hose	1 / box	8318371
	Hose set (consisting of water trap, dust and water filter)	1 / box	8321527
	FKM black hose, solvent-resistant (per foot)	1 / box	1203150
	Float probe	1 / box	6802337
	Sampling hose, clear Tygon* (per foot)	1 / box	4594707
	Tubing connector, X-am® 1/2/5000 pump	1 / box	4594588
	Filter replacement, X-am® 1/2/5000 pump	1 / box	8319364
	Filter Set, 20 pieces per pack (no Luer adaptors)	20 / box	3705997
Communication accessories			
Dräger CC-Vision®	www.draeger.com		
	USB DIRA with USB cable	1 / box	8317409

Portable Gas Detection

Technical Data

Dimensions (W × H × D)	490 × 300 × 300 mm (20 × 12 × 12 in)	
Weight	10 kg (22 lbs.) (24 Ah battery)	
Ambient conditions	-20 – +50 °C (-4 – 122°F) Pressure 700 to 1,300 hPa Humidity 10 to 95 % r.h.	
Ingress Protection	IP67	
Alarm	Visual	360° LED (illuminated ring)
	Acoustic	360°; > 108 dB in a distance of 1 m (39 in.), 120 dB in a distance of 30 cm (1 ft.)
	Configurable alarm patterns, frequencies and volumes	
Life signal	Green status display (360°), illuminated ring (LED)	
Operating time	Approx. 120 h (24 Ah battery) Depending on sensor equipment / configuration of the life signal Indefinite operating time with EX power supply	
Charging time	Approx. 14 h Flexible power supply: External 100 – 240 V charger (worldwide) or inductive wireless charger	
Pump operation	Maximum hose length: 45 m (147 ft.)	
Alarm output	Potential-free alarm contact for intrinsically safe circuits (6-pole); < 20 V to 0.25 A (0.15 A constant current); Resisting load	
Radio transmission	Worldwide license-free ISM frequencies Digital radio, robust and interference-free transmission up to 100 m (328 ft.)	
RF approvals	915 MHz (USA, Canada)	
Approvals	ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T3 Ga II 2G Ex ia d IIC T4 Gb
	IECEX	Ex ia IIC T3 Ga Ex ia d IIC T4 Gb Ex ia I Ma
	CSA/US	Class I, zone 0, AEx ia IIC T3 Ga Class I, zone 1, AEx ia d IIC T4 Gb

Dräger X-dock® 5300/6300/6600 Calibration and Bump Testing

Automatic bump tests, calibration, reduced test gas consumption, short testing times, and comprehensive documentation come standard in this new device from Dräger, the experts in gas detection.



Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger X-dock® 5300/6300/6600			
	Dräger X-dock® 5300 X-am® 125 Set consisting of one master (3 gases) with power supply and one instrument module for the instruments Dräger X-am® 125 Limit to 1 module *Order Needed Regulator(s) Separately	1/ box	8321880
	Dräger X-dock® 5300 PAC Set consisting of one master (3 gases) with power supply and one instrument module for the Dräger Pac® Series (Pac® 3500/5500/6000/6500/7000/8000/8500). Limit to 1 module *Order Needed Regulator(s) Separately	1/ box	8321881
	Dräger X-dock® 5300 X-am® 8000 Set consisting of one master (up to 3 gases) with power supply and one instrument module for the Dräger X-am® 3500/8000 Limit to 1 module *Order Needed Regulator(s) Separately	1/ box	8321882
	Dräger X-dock® 6300 Master With 3 test gas connections plus fresh air. At least 1 module must be ordered, extendable to max. 10 modules *Order Needed Regulator(s) and Power Supply Separately	1/ box	8321900
	Dräger X-dock® 6600 Master With 6 test gas connections plus fresh air. At least 1 module must be ordered, extendable to max. 10 modules *Order Needed Regulator(s) and Power Supply Separately	1/ box	8321901
	Dräger X-dock® Module X-am® 125 Cradle module for one instrument of the Dräger X-am® 125 series (replacement for 8324260)	1/ box	8321890
	Dräger X-dock® Module X-am® 125+ Cradle module for one instrument of the Dräger X-am® 125 series With an additional charging function (replacement for 8324261)	1/ box	8321891
	Dräger X-dock® Module PAC Cradle module for one instrument of the Dräger Pac® series (replacement for 8324262)	1/ box	8321892
	Dräger X-dock® Module X-am® 3500/8000 Cradle module for one instrument of the Dräger X-am® 3500/8000	1/ box	8321893
	Dräger X-dock® Module X-am® 3500/8000+ Cradle module for one instrument of the Dräger X-am® 3500/8000 With an additional charging function	1/ box	8321894

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Software licenses			
Only for renewal			
Dräger Gas Detection Connect			
GDC Intro License	includes: Access, infrastructure, connection of up to 99 X-dock stations and/or ConHub, valid for one year after activation.		3719332
GDC Basic License	includes: IT infrastructure (data storage, maintenance, automatic feature updates, troubleshooting). 24/7 support, access		3719809
GDC Asset License	includes: Definable number of X-dock stations and ConHub, requires the Basic License		3719810
GDC Asset Lite	includes: One X-dock station, non-expandable, does not require a Basic License		3719811
Gas Detection Connect Asset License – 5 years			3719820
Station accessories			
Pressure Regulator Dräger X-dock®		1 / box	8324250
X-dock® Regulator w/flow stop		1 / box	8324251
X-dock® Stainless Steel Pressure Regulator		1 / box	8324252
Spare Parts			
Replacement Sealing Cartridge, X-am® Module		1 / box	8321986
Replacement Sealing Cartridge, Pac® Module		1 / box	8321987
Replacement Sealing Cartridge, X-am 3500/8000 Module		1 / box	8326543
Sampling Hoses			
Sampling hose, FKM Tubing, 1.5 m (5 ft) (not for Cl ₂)		1 / box	4594112
Sampling hose, FKM Tubing, 6 m (20 ft) (not for Cl ₂)		1 / box	4594114
Sampling hose, FKM Tubing, 30 m (100 ft) (not for Cl ₂)		1 / box	4594116
X-dock® PTFE Hose Connector Set		1 / box	8324098
Sampling hose, Tygon Tubing, PTFE lined, 1.5 m (5 ft) (reactive gas)		1 / box	4594118
Sampling hose, Tygon Tubing, PTFE lined, 6 m (20 ft) (reactive gas)		1 / box	4594120
Sampling hose, Tygon Tubing, PTFE lined, 30 m (100 ft) (reactive gas)		1 / box	4594122
Sampling hose, Tygon, 3 m (10 ft)		1 / box	4594501
Sampling hose, Tygon, 7.6 m (25 ft)		1 / box	4594503
Sampling hose, Tygon, 15 m (50 ft)		1 / box	4594505
Sampling hose, Tygon, 30 m (100 ft)		1 / box	4594507
Sampling hose, Tygon, 76 m (250 ft)		1 / box	4594509
Spare display protective foil		1 / box	8321804

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
	Sticker for module numbering 1 to 10	1 / box	8321839
	Module connection back side	1 / box	8321841
	Spare Set Hoses (X-dock®)	1 / box	8321967
	SD Card for X-dock®	1 / box	8321824
*Spare Parts Discount Applies.			
Power Supplies			
	Power supply 100-240 V, 24 VDC / 1.25 A for up to 3 modules	1 / box	8321849
	Power supply 100-240 V, 24 VDC / 6.25 A for up to 10 modules	1 / box	8321850
	Car charging connection 12 V / 24 VDC	1 / box	8321855
Mounting Accessories			
	Wall bracket comfort (adjustable tipping angle)	1 / box	8321910
	Wall bracket basic	1 / box	8321922
	Cylinder holder (table version)	1 / box	8321918
	Cylinder holder (for DIN rail / wall bracket)	1 / box	8321928

Technical Data

Dräger X-dock® 5300/6300/6600

Weight	X-dock® Master Controller: Approx. 1.5 kg (3.3 lb) X-dock® Module Pac®: Approx. .89 kg (1.98 lb) X-dock® Module X-am® 125: Approx. .91 kg (2 lb) X-dock® Module X-am® 125+: Approx. .96 kg (2.11 lb) X-dock® Module X-am® 8000: Approx. 1.22 kg (2.7 lb) X-dock® Module X-am® 8000+: Approx. 1.45 kg (3.19 lb)
X-dock® Master Controller dimensions	Approx. 119 x 130 x 250 (4.7 x 5.11 x 9.84 in)
Pac®/X-am® 125 module dimensions	Approx. 90 x 145 x 250 mm (3.54 x 5.71 x 9.84 in)
X-am® 3500/8000 module dimensions	Approx. 122 x 145 x 250 mm (4.80 x 5.71 x 9.84 in)
Protection class IP20	Yes
Power pack/power supply	Via 24 V (8321849 & 8321850) power pack or car adapter
Approvals	CE marking
Ambient conditions	0 °C to 40 °C (32 to 104 F)
Gas connections	
Dräger X-dock® 5300/6300	3 test gas inlets for connecting 3 different test gases + one fresh air inlet + one waste gas outlet
Dräger X-dock® 6600	6 test gas inlets for connecting 6 different test gases + one fresh air inlet + one waste gas outlet
Connections	
USB 2.0	3 USB 2.0 devices/1 USB host
Network connection	Yes: Ethernet
Internal Memory Size	8GB

Portable Gas Detection

Dräger Pac® 6000 Single-Gas Detector

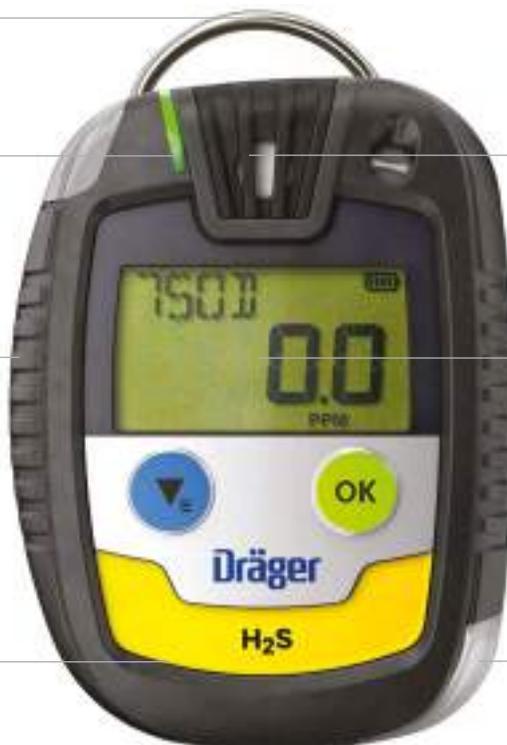
The Dräger Pac® 6000 disposable personal gas detector measures CO, H₂S, SO₂ or O₂ reliably and precisely, even in the toughest conditions. The robust design, quick sensor response times, and a powerful battery ensure maximum safety for up to two years with virtually no maintenance required.

Easy fastening with tightly closing crocodile clip

Illuminating D-Light shows detector is tested and ready

Robust housing with handy design for tough conditions

Clear color coding prevents mistakes



Easily replaceable filter membrane protects the sensor

Large display shows all important information

360° alarm signal can be easily seen from all sides

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger Pac® 6000			
Dräger Pac® 6000			
Dräger Pac® 6000 CO	Measurement Range: 0 – 2,000 ppm Alarm thresholds A1/A2: 35 / 50 ppm	1 / box	8326369
Dräger Pac® 6000 H ₂ S	Measurement Range: 0 – 200 ppm Alarm thresholds A1/A2: 10 / 15 ppm	1 / box	8326368
Dräger Pac® 6000 O ₂	Measurement Range: 0 – 25 Vol.-% Alarm thresholds A1/A2: 19.5 / 23.5 Vol.-%	1 / box	8327612
Dräger Pac® 6000 SO ₂	Measurement Range: 0 – 100 ppm Alarm thresholds A1/A2: 0.5 / 1 ppm	1 / box	8328273
Dräger Pac® 6000 CO (Canada)	Measurement Range: 0 – 2,000 ppm Alarm thresholds A1/A2: 25 / 50 ppm	1 / box	8327611
Dräger Pac® 6000	Measurement Range: As per customer request Alarm thresholds A1/A2: As per customer request	1 / box	8326340
Calibration accessories			
Calibration adapter		1 / box	8318588
Dräger X-dock® 5300 Pac		1 / box	8321881
Dräger Bump Test Station for Dräger Pac®, without gas cylinder		1 / box	8317410
Communication accessories			
Dräger CC-Vision® Basic, available free of charge at www.draeger.com			
Communication module, including USB cable		1 / box	8318587
Spare parts			
Battery		1 / box	8326856
Sensor grid (black)		1 / box	8326853
Crocodile clip set		1 / box	3703866

Portable Gas Detection

Technical Data

Dimensions (without clip) (W x H x D)	2.5 x 3.3 x 0.8 in, (64 x 84 x 20 mm)
Weight	Approx. 3.7 ounces, 106 g (4.0 ounces, 113 g with clip)
Device service life	2 years from first activation
Battery service life	2 years (O ₂ min. 12 months)
Degree of protection	IP68
Air pressure	700 to 1,300 hPa
Air humidity	10 to 90% relative humidity, non-condensing
Temperature	-22 °F to 131 °F, (-30 °C to +55 °C) (briefly down to -40 °F/ -40 °C for 1 hr, depending on sensor)
Approvals	cCSAus, IECEx, ATEX, CE

Portable Gas Detection

Dräger Pac® 6500

Single-Sensor Detector

The robust Dräger Pac® 6500 is your reliable companion under tough conditions. The personal single-gas detection device measures CO, H₂S, SO₂ or O₂ quickly and precisely. Quick sensor response times and a replaceable battery also ensure safety.

 **Bluetooth™**
Option Available

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D-4987-2017

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger Pac® 6500			
Dräger Pac® 6500			
Dräger Pac® 6500 CO	Measurement Range: 0 – 2,000 ppm Alarm thresholds A1/A2: 35 / 50 ppm	1 / box	8327614
Dräger Pac® 6500 H ₂ S	Measurement Range: 0 – 200 ppm Alarm thresholds A1/A2: 10 / 15 ppm	1 / box	8327613
Dräger Pac® 6500 O ₂	Measurement Range: 0 – 25 Vol.-% Alarm thresholds A1/A2: 19.5 / 23.5 Vol.-%	1 / box	8327616
Dräger Pac® 6500 SO ₂	Measurement Range: 0 – 100 ppm Alarm thresholds A1/A2: 0.5 / 1 ppm	1 / box	8328274
Dräger Pac® 6500 CO (Canada)	Measurement Range: 0 – 2,000 ppm Alarm thresholds A1/A2: 25 / 50 ppm	1 / box	8327615
Dräger Pac® 6500	Measurement Range: As per customer request Alarm thresholds A1/A2: As per customer request	1 / box	8326341
Calibration accessories			
Calibration adapter		1 / box	8318588
Dräger X-dock® 5300 Pac		1 / box	8321881
Dräger Bump Test Station for Dräger Pac®, without gas cylinder		1 / box	8317410
Communication accessories			
Dräger CC-Vision® Basic, available free of charge at www.draeger.com			
Communication module, including USB cable		1 / box	8318587
Spare parts			
Battery		1 / box	8326856
Sensor grid (black)		1 / box	8326853
Crocodile clip set		1 / box	3703866

Portable Gas Detection

Technical Data

Dimensions (without clip) (W x H x D)	2.5 x 3.3 x 0.8 in, 64 x 84 x 20 mm
Weight	Approx. 3.7 ounces, 106 g (4.0 ounces, 113 g with clip)
Battery service life	Min. 2 years (O ₂ sensors min. 12 months)
Degree of protection	IP68
Air pressure	700 to 1,300 hPa
Air humidity	10 to 90% relative humidity, non-condensing
Temperature	-22 °F to 131 °F, -30 °C to +55 °C (briefly down to -40 °F / -40 °C for 1 hr, depending on sensor)
Approvals	cCSAus, IECEx, ATEX, CE

Portable Gas Detection

Dräger Pac® 8000 Single-Gas Detector

With the robust Dräger Pac® 8000, you'll be well equipped for tough conditions: this non-disposable, personal single-gas detection device is a reliable and precise instrument, which detects hazardous concentrations of twenty nine different gases, including special gases like NO₂, O₃ or COCl₂.

 **Bluetooth™**
Option Available

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Robust housing with handy design for tough conditions

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D-4989-2017



Easily replaceable filter membrane protects the sensor

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Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger Pac® 8000			
Dräger Pac® 8000			
Dräger Pac® 8000 NO	Measurement Range: 0 – 50 ppm Alarm thresholds A1/A2: 25 / 50 ppm	1 / box	8326350
Dräger Pac® 8000 CO ₂	Measurement Range: 0 – 5 Vol.% Alarm thresholds A1/A2: 0.5 / 1 Vol.%	1 / box	8326351
Dräger Pac® 8000 Cl ₂	Measurement Range: 0 – 20 ppm Alarm thresholds A1/A2: 0.5 / 1 ppm	1 / box	8326352
Dräger Pac® 8000 HCN	Measurement Range: 0 – 50 ppm Alarm thresholds A1/A2: 2.5 / 4.5 ppm	1 / box	8328276
Dräger Pac® 8000 NH ₃	Measurement Range: 0 – 300 ppm Alarm thresholds A1/A2: 25 / 50 ppm	1 / box	8328277
Dräger Pac® 8000 PH ₃	Measurement Range: 0 – 20 ppm Alarm thresholds A1/A2: 0.1 / 0.2 ppm	1 / box	8326355
Dräger Pac® 8000 OV	Measurement Range: 0 – 200 ppm Alarm thresholds A1/A2: 10 / 20 ppm	1 / box	8326356
Dräger Pac® 8000 OV-A	Measurement Range: 0 – 200 ppm Alarm thresholds A1/A2: 10 / 20 ppm	1 / box	8326357
Dräger Pac® 8000 NO ₂	Measurement Range: 0 – 50 ppm Alarm thresholds A1/A2: 2.5 / 5 ppm	1 / box	8328275
Dräger Pac® 8000 Ozone	Measurement Range: 0 – 10 ppm Alarm thresholds A1/A2: 0.1 / 0.2 ppm	1 / box	8326359
Dräger Pac® 8000 Phosgene	Measurement Range: 0 – 10 ppm Alarm thresholds A1/A2: 0.1 / 0.2 ppm	1 / box	8326360
Dräger Pac® 8000	Measurement Range: As per customer request Alarm thresholds A1/A2: As per customer request	1 / box	8326342
Calibration accessories			
Calibration adapter		1 / box	8318588
Dräger X-dock® 5300 Pac		1 / box	8321881
Dräger Bump Test Station for Dräger Pac®, without gas cylinder		1 / box	8317410

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Communication accessories			
Dräger CC-Vision® Basic, available free of charge at www.draeger.com			
Communication module, including USB cable		1 / box	8318587
Spare parts			
Battery		1 / box	8326856
Sensor grid (black)		1 / box	8326853
Crocodile clip set		1 / box	3703866

Technical Data

Dimensions (without clip) (W x H x D)	2.5 x 3.3 x 0.8 in, 64 x 84 x 20 mm
Weight	Approx. 3.7 ounces, 106 g (4.0 ounces, 113 g with clip)
Battery service life	Min. 2 years
Degree of protection	IP68
Air pressure	700 to 1,300 hPa
Air humidity	10 to 90% relative humidity, non-condensing
Temperature	-22 °F to 131 °F, -30 °C to +55 °C (briefly down to -40 °F/ -40 °C for 1 hr, depending on sensor)
Approvals	cCSAus, IECEx, ATEX, CE

Portable Gas Detection

Dräger Pac® 8500 Single-Sensor Detector

The Dräger Pac® 8500 single-sensor detection device is a reliable and precise instrument even under the toughest of conditions. The detector can be equipped with a hydrogen-compensated CO sensor or a Dräger dual sensor. The dual sensors provide the option of measuring two gases at once: H₂S with CO, O₂ with CO, or H₂S with O₂.

 **Bluetooth™**
Option Available

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Illuminating D-Light shows detector is tested and ready for use

Robust housing with handy design for tough conditions

Clear color coding prevents mistakes

Easily replaceable filter membrane protects the sensor

Large display shows all important information

360° alarm signal can be easily seen from all sides

D-4996-2017



Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger Pac® 8500			
Dräger Pac® 8500			
Dräger Pac® 8500 H ₂ S/CO	Measurement Range: 0 – 100 ppm H ₂ S, 0 – 2,000 ppm CO Alarm thresholds A1/A2: 10 / 15 ppm H ₂ S, 35 / 50 ppm CO	1 / box	8328263
Dräger Pac® 8500 O ₂ /CO	Measurement Range: 0 – 25 Vol.-% O ₂ , 0 – 2,000 ppm CO Alarm thresholds A1/A2: 19.5 / 23.5 Vol.-% O ₂ , 35 / 50 ppm CO	1 / box	8328265
Dräger Pac® 8500 CO-H ₂ CP	Measurement Range: 0 – 2,000 ppm Alarm thresholds A1/A2: 35 / 50 ppm	1 / box	8327617
Dräger Pac® 8500 H ₂ S/O ₂	Measurement Range: 0-100 ppm H ₂ S, 0-25 % O ₂ Alarm thresholds A1/A2: 5/10 ppm H ₂ S, 19;19.5 / 22.5;23.0 Vol % O ₂	1 / box	3702251
Dräger Pac® 8500 CO-H ₂ CP (Canada)	Measurement Range: 0 – 2,000 ppm Alarm thresholds A1/A2: 25 / 50 ppm	1 / box	8328262
Dräger Pac® 8500	Measurement Range: As per customer request Alarm thresholds A1/A2: As per customer request	1 / box	8326343
Calibration accessories			
Calibration adapter		1 / box	8318588
Dräger X-dock® 5300 Pac		1 / box	8321881
Dräger Bump Test Station for Dräger Pac®, without gas cylinder		1 / box	8317410
Communication accessories			
Dräger CC-Vision® Basic, available free of charge at www.draeger.com			
Communication module, including USB cable		1 / box	8318587
Spare parts			
Battery		1 / box	8326856
Sensor grid (black)		1 / box	8326853
Crocodile clip set		1 / box	3703866

Portable Gas Detection

Technical Data

Dimensions (without clip) (W x H x D)	2.5 x 3.3 x 0.8 in, 64 x 84 x 20 mm
Weight	Approx. 3.7 ounces, 106 g (4.0 ounces, 113 g with clip)
Battery service life	Min. 1 year (O ₂ units min. 10 months)
Degree of protection	IP68
Air pressure	700 to 1,300 hPa
Air humidity	10 to 90% relative humidity, non-condensing
Temperature	-22 °F to 131 °F, -30 °C to +55 °C (briefly down to -40 °F/ -40 °C for 1 hr, depending on sensor)
Approvals	cCSAus, IECEx, ATEX, CE

Portable Gas Detection

Dräger X-am® 5100 Single-Gas Detector

For manufacturing petrochemical products, aseptic packing, or handling of rocket fuel: the Dräger X-am® 5100 portable single-gas detector ensures that you use the safest methods possible for handling HF, HCl, H₂O₂ or hydrazine – thanks to proven Dräger sensor technology and a device design which is perfectly customised to reactive gases.

Tightly fastening crocodile clip

Easy to attach, e.g. on the clothes

Robust housing

Not sensitive to impacts, vibrations and electromagnetic radiation

Simple two button operation

Intuitive to use



Special device design with direct gas access

Quick response of the XS EC sensors

Large display

All values at a glance

D-7474-2019

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
Dräger X-am® 5100			
Dräger X-am® 5100			
Consisting of: basic device with an integrated datalogging. Battery and Charger must be ordered separately (3703889).			8322750
Sensors			
DrägerSensor XS EC HF/HCl	Measurement Range: 0 – 30 ppm Resolution: 0.1 ppm Response time (t50): 60 seconds	1 / box	6809140
DrägerSensor XS EC H ₂ O ₂	Measurement Range: 0 – 20 ppm Resolution: 0.1 ppm Response time (t90): 60 seconds	1 / box	6809170
DrägerSensor XS EC Hydrazine	Measurement Range: 0 – 3 ppm Resolution: 0.01 ppm Response time (t90): 180 seconds	1 / box	6809190
Power supply units			
NiMH power pack T4		1 / box	8318704
Charging accessories			
Charging module		1 / box	8318639
Rechargeable battery and charging technology set Consisting of: NiMH power pack T4, charging module, single charger (worldwide) for 1 charging module (worldwide use)			8318785
Charging kit consisting of a charging module and a single charger (worldwide)		1 / box	8320333
Vehicle charging connecting cable 12V/24V for charging module (90 degree connector)		1 / box	4552324
Vehicle charger mounting kit for a Dräger X-am 1/2/5x00 charging module		1 / box	8318779
Calibration accessories			
Calibration adapter		1 / box	6806291
HCl test gas (10 ppm) for sensor 6809140		1 / box	6812107
HCl test gas (25 ppm) for sensor 6809140		1 / box	6812115
SO ₂ test gas (10 ppm) for sensor 6809170		1 / box	6810645

Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Accessories for measured value datalogger and configuration

Dräger GasVision®		1/ box	8314034
Dräger CC-Vision®		1/ box	freeware
USB DIRA with USB cable, infrared communication adapter to USB		1/ box	8317409

Technical Data

Dimensions (H x W x D)	48 x 130 x 44 mm; 1.89 x 5.12 x 1.73 in.	
Weight	220 – 250 g; 7.8 – 8.8 oz.	
Ambient conditions	Temperature	-20 – +50 °C; -4 – 122 °F
	Pressure	700 to 1300 mbar; 20.7 to 38.4 inch Hg
	Humidity	10 – 90% RH
Alarms	Visual	360°
	Acoustic	Multi-tone > 90 dB at 30 cm; 1 ft.
	Vibration	
Ingress Protection	IP 54	
Operating times	~150 h (alkaline battery), ~150 h (NiMH rechargeable battery), or	
Charging times	< 4 hours	
Data logger	Retrievable using an infrared interface > 1000 h at a recording interval of 1 value per minute	
Approvals	ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T4/T3 Ga - 20 °C ≤ Ta ≤ + 55/40 °C
	IECEX	Ex ia I Ma Ex ia IIC T4/T3 Ga - 20 °C ≤ Ta ≤ + 55/40 °C
	CSA	Class I, Div. 1, Groups A,B,C,D TC T4/T3 Class I, Zone 0, A/Ex ia IIC T4/T3 /Ga
CE-mark	Electromagnetic compatibility Directive 2004 / 108 / EG; EN 50270:2006	

Portable Gas Detection

X-site Live

Wireless hazard area monitor

Real-time scalable area monitoring. Benefit from up to 7 toxic and combustible gas detection plus radiation sensors in a convenient, easy to carry case. Remote visibility with unsurpassed communications capability enabled by FirstNet® integration.



Portable Gas Detection

Technical Data

X-site Live Kit Specification

Run time	14 hours on full charge
Communication Range	Cellular/Internet – unlimited Wi-Fi, 2.4 GHz – approximately 300 feet outdoors
Case dimensions	21 in x 15.5 in x 7.3 in (534 mm x 394 mm x 186 mm)
Total Kit Weight	22 lbs (10.0 Kg)

Mirion AccuRad™ Specification

Weight	Version 1: 7 oz (200 g), including clip Version 2: 17" x 13" x 8" (43.18 x 33.02 x 20.32 cm) without antennas
Size	Version 1: 4.25 x 2.4 x 1.4 in. (108 x 61 x 36 mm) without clip Version 2: 12.8 lbs (5.81 kg)
Batteries	Two AA batteries for more than 900 hours of continuous operation Tool-less battery cover
IP Rating	Approx. 600 minutes of testing time
Temperature	5 x 1.5 v AA alkaline batteries
Drop	1.5 m (4 ft 11 in.) on concrete Innovative heavy-duty bi-material construction Replaceable fiber-reinforced clip
Modes of Operation	Dose or count rate Search with trend or radar 0-9 display indicator
Display	Top display enables hands-free visual alarm assessment
Languages	English, Spanish
Buttons and Navigation	Intuitive to use even without training Comfortable for one-handed operation
Alarming	Vibration Visual LED Audible sound: 85 dB(A) at 30 cm (11.8 in.)
Detectors	CsI(Tl) scintillation detector with temperature compensated SiPM for interdiction missions Silicon diode for integrated dose and high dose rate to ensure proper health and safety
Detection Performance	Alarms at 50 μ rem/h (0.5 μ Sv/h) within two seconds VBS: Authenticates true alarms in variable backgrounds Energy range: 25 keV to 3 MeV; detects all radionuclides of concern

Portable Gas Detection

Technical Data

Range	up to 1,000 rem/h (10 Sv/h) with measurement history
Batteries	±20%
Connectivity	Bluetooth®: Low Energy with Near Field Communications (NFC) pairing to smartphone USB: Type C for earphones and maintenance
Enabled Features	Remote display, access to history and logs Reachback/streaming: email, SMS, SpirVIEW Mobile software, RadResponder, ANSI N42.42 files Learning section with how-to videos and documentation
Accessories	AccuRad PRD, AA alkaline batteries, quick guide, spare clip USB C earphones, clip, battery cover Radiation safety training modules for law enforcement, fire rescue and other responders SpirVIEW Mobile command center software
Standards	Designed to meet or exceed ANSI N42.32 Designed to meet or exceed IEC 62401:2017 (PRD)

Smart LINC Specification

Talk Time	21 hours
Standby Time	14 days
Battery Type	3,240 mAh non-removable Lithium ion (Li-ion)
Display	5" FHD, (1920 x1080 pixels), 443 ppi, Dragontrail™ PRO
Operating System	Android™ 9 (Pie)
Chipset	SDM630 Qualcomm® Snapdragon™ processor with 2.2 GHz x 1.8 GHz, Octa Core CPU
Radios	4G LTE CAT9: B1/B2/B3/B4/B5/B7/ B12/B14/B29/ B30/B66 GSM: Quad (2, 3, 5, 8) UMTS: 1, 2, 4, 5
Memory	64GB ROM/4GB RAM microSDXC memory card slot (supports up to 512 GB)
IM Type	Nano/4FF Size
Dimensions	150.2 x 73.4 x 13.5 mm (5.91 x 2.89 x .53 in)
Weight	235 g (8.3 oz)
Media formats	Audio: AAC, AAC+, eAAC+, AMR-NB, AMR-WB, FLAC, MP3, MIDI, Vorbis, PCM (WAVE), Opus, QCELP, EVRC Video: H.263, H.264, H.265, MPEG-4, VP8, VP9 Image: BMP, WBMP, GIF, JPEG, PNG, WEBP

Portable Gas Detection

Technical Data

MultiMeterViewer Specifications	
Operating System	Windows® 10
CPU	Intel® Generation 10 i3
Memory	4 GB
Free Space	Type SMA
Graphics Hardware	Intel® UHD Graphics (or equivalent) 1,355 x 768 HD
Sound Hardware	Stereo Speakers
Features	Remote Display of Meter's Faceplate
	Comprehensive Map View/Tool (GIS) with Export/Import
	Accurate 3D, real-time plume and backtrack tool
	Immediate Audible and Visual Alarms
	Integrated Live Video Player
	Simultaneous instrument tracking with color concentration gradation
	Special support for performing field surveys (live & Historical)
	Reading normalization using energy coefficients/correction factors
	Dynamic security controlling who gets to see specific data
	Asset management and tracking
	Secure interface to DNDO for radiological/nuclear emergencies
Mobile versions (iPhone, iPad, Android and Blackberry)	

Portable Gas Detection

X-am® Pump

External pump

The Dräger X-am® Pump is an external pump for the Dräger X-am® 2500, 2800, 5000, 5600, and 5800 multigas monitors. The Pump is designed for clearance measurement, continuous monitoring, and personal use. The Pump automatically switches on when it is connected to an operating X-am® device. The user can easily switch from diffusion to pump mode in less than 60 seconds.



Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger X-am® Pump**Dräger X-am® Pump**

Dräger X-am® Pump incl. USB charger and shoulder strap		1/ box	8327115
USB power supply		1/ box	8327102
USB 2.0 Cable		1/ box	8327108
Shoulder strap		1/ box	8319386
Leather case		1/ box	8327103
Case for Dräger X-am® Pump		1/ box	8327104
CSE Set Dräger X-am® Pump		1/ box	8327105
Filter with hose connector (3 mm and 5 mm)		1/ box	8319364
Telescopic probe ES 150		1/ box	8316533
Float probe		1/ box	8327654
5 m (16 ft) FKM hose (diameter 3 mm)		1/ box	8325705

Technical Data

Dimensions	2.6 x 6.8 x 1.5 in (67 x 175 x 38 mm)(without X-am®) 2.6 x 8.6 x 2.2 in (67 x 220 x 55 mm) (with X-am®)
Weight	approx. 7 oz (200 g)
Operating temperature	-4 °F to 122 °F (briefly -40 °F) -20 °C to 50 °C (briefly -40 °C)
Temperature when charging	32 °F to 95 °F (0 – 35 °C)
Charging time	< 6 hours
Operating time	Up to 20 hours, depending on type of application and temperature
Maximum hose length	Remote Display of Meter's Faceplate
Air flow volume	Comprehensive Map View/Tool (GIS) with Export/Import
Storage temperature	Up to 1 month -4 °F to 140 °F (-20 °C to 60 °C), otherwise -4 °F to 113 °F (-20 °C to 45 °C)
Pressure	700 to 1,300 hPa
Air humidity	0 to 95 % RH
IP protection class	IP67
Approvals	c_CSA_us ATEX/IECEX (Zone 0 T4 and M1) DNV-GL CE label

Portable Gas Detection

Dräger ConHub Gateway

Automated area monitoring gives you maximum safety with a minimal workload. The explosion-proof Dräger ConHub serves as a gateway that automatically connects your Dräger gas detectors from any location to Dräger Gas Detection Connect, our live monitoring solution. This helps you monitor vulnerable areas more closely, so you get the most out of your gas detection system, while also improving safety at your location.



Portable Gas Detection

Product	Description	Packaging unit/type	Order No.
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Dräger ConHub

Dräger ConHub			
Dräger ConHub	incl. 1 rechargeable battery without charger	1 / box	3729600
ConHub battery	replacement or spare	1 / box	3729610
Charger set ConHub	To recharge the built-in battery	1 / box	3729611
External charger adapter ConHub	Adapter for the ConHub charger to externally charge 1 to 2 batteries	1 / box	3729653
Cable ConHub X-zone 5m	Cable for connecting a ConHub with an X-zone	1 / box	3729658
Cable ConHub X-zone 20m	Cable for connecting a ConHub with an X-zone	1 / box	3729657
Stand ConHub	Stand for positioning the ConHub at a higher level. Suitable for use in Ex zones	1 / box	on request
Wall mount ConHub	To mount the ConHub on walls and pipes	1 / box	on request
Shoulder strap ConHub	Padded shoulder strap	1 / box	on request
Power Supply Ex 230 V	without cable	1 / box	8329000
Power Supply Ex 110 V	without cable	1 / box	8329010
EU cable		1 / box	8329180
UK cable		1 / box	8325392
AUS cable		1 / box	8325393
USA cable		1 / box	8329049

Dräger Gas Detection Connect

GDC Intro License includes: Access, infrastructure, connection of up to 99 X-dock stations and/or ConHub, valid for one year after activation.	3719332
GDC Basic License includes: IT infrastructure (data storage, maintenance, automatic feature updates, troubleshooting). 24/7 support, access	3719809
GDC Asset License includes: Definable number of X-dock stations and ConHub, requires the Basic License	3719810
GDC Asset Lite includes: One X-dock station, non-expandable, does not require a Basic License	3719811
Gas Detection Connect Asset License – 5 years	3719820

Portable Gas Detection

Technical Data

Dräger ConHub		
Dimensions	347 x 284 x 171 mm (13.7 x 11.2 x 6.7 in)	
Weight	approx. 7 oz (200 g)	
Operating conditions	Temperature: -20 °C - max. +50 °C (-4 °F - max. +122 °F) Pressure: 800-1100 mbar Humidity: max. 95%	
Protection rating	IP65	
Visual alarms	LED strips, LED symbols	
Location Information	<ul style="list-style-type: none"> • GPS • Galileo • Manual Location Input 	
Operating times	approx. 60 h at 20 °C (68 °F) with a 92Wh rechargeable battery approx. 120 h at 20 °C (68 °F) with two 92Wh rechargeable batteries Permanent use in explosion-protected and non-explosion-protected areas when used with explosion-protected power supply unit	
Charging times	approx. 12 h Flexible power supply: External charger 100 - 240 V (global)	
External cable connection	Modbus connection to X-zone 5X00 I/O change (not yet available at launch) Passive 4-20mA input (not yet available at launch) Ethernet port to connect to Gas Detection Connect (not yet available at launch)	
External wireless connection	LTE connection to Gas Detection Connect WiFi® connection to Gas Detection Connect Bluetooth® connection to Dräger Pac (Bluetooth®), Dräger X-am 2800, Dräger X-am 5800	
Approvals	EX-Approvals	ATEX: Ex II 2(I)G Ex ib [ia Ga] IIC T4 Gb IECEx: Ex ib [ia Ga] IIC T4 Gb
IP protection class	EMC RADIO	ETSI EN 301 489-1 (Common requirement) ETSI EN 301 489-3 (Short Range Devices -SRD) ETSI EN 301 489-17 (2.4GHz ISM band) ETSI EN 301 489-19 (RNSS band - GNSS) ETSI EN 301 489-52 (Cellular communication UE)
	LVD	EN 62368-1
	RED	EN 301 908-1 V13.1.1:2019-11(LTE) EN 300 328 V2.2.2:2019-07 (WLAN) EN 300 328 V2.2.2:2019-07 (BLE) EN 303 413 V1.1.1:2017-06 (GNSS)

Portable Gas Detection

Technical Data

Power Supply Ex	
Dimensions	350 x 290 x 175mm (13.8 x 11.4 x 6.9 in)
Weight	10 kg (22 lb)
Operating conditions	IP 44
Protection rating	ATEX: Ex II (1)G [Ex ia Ga] IIC IECEX: [Ex ia Ga] IIC North America: [Ex ia Ga] IIC [AEx ia Ga] IIC
Visual alarms	-20 °C to +55 °C (-4 °F – max. +131 °F)
Location Information	Cable drum 50 m (164 ft) Kabelfix 0.5 m connection + power cable EU, UK, US, or AUS 3 m

Dräger-Tubes® and MicroTubes

Gas Detection Tubes

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Dräger-Tubes® and MicroTubes



Safety to go.

Many hazards in the workplace cannot be detected by human senses: some toxic gases, oxygen deficiency, some combustible gases and vapors. These hazards pose a serious threat to human life and plant safety in many industries. When it comes to the reliable detection of known and unknown gases, you can rely on portable gas detection technology from Dräger. Our extensive product range offers you the perfect solution for every application.

The development of our Dräger-Tubes® more than eighty years ago laid the cornerstone for accurate gas detection. Today, thanks to continuous research and development, we now offer more than 250 Dräger-Tubes® able to detect over 500 substances. Combined with the Dräger X-act® 7000 system, an electronic form of the tube, Dräger provides you with some of the most accurate and reliable means available for spot concentration measurements in the parts per billion range.

Dräger Tubes Measurement-System

Dräger-Tubes®.

Each order number refers to one box of tubes. Usually one box contains ten tubes. In other cases the number in brackets behind the name of the tube indicates the measurements per box. For the Dräger-tubes the standard measuring range is mentioned. For a possible measuring range extension, please have a look into the instruction for use. The indicated measurement time relates regarding the Tubes for short term measurements to the stated numbers of strokes for the particular tube. If the measurement time is less than 1 Minute, it will be stated with the abbreviation "s" in seconds.

Dräger-Tubes® and MicroTubes

Dräger-Tubes® Measurement System

Short-Term Dräger-Tubes®

Dräger-Tubes® are an easy to use and cost effective way to measure toxic gases and vapors in the workplace. More than 200 different Dräger-Tubes® are available to accurately make spot measurements for over 500 gases and vapors.

ST-1364-2004



Dräger-Tubes® and MicroTubes

Disclaimer

Dräger-Tubes are used in conjunction with either a manual or automatic sampling pump using individual Dräger-Tubes or special 5 tube sets for simultaneous measurement. Dräger Pumps and short-term Dräger-Tubes® are not interchangeable with other manufacturers' pumps and detector tubes.

Dräger-Tube Description	Standard range of measurement (20 °C, 1013 hPa):	Measurement Time (sec or min)	Order No.
Acetaldehyde 100/a	100 - 1000 ppm	5	6726665
Acetic Acid 5/a	5 - 80 ppm	30sec	6722101
Acetone 40/a (5)	40 - 800 ppm	1	8103381
Acetone 100/b	100 - 12,000 ppm	4	CH22901
Acid Test	qualitative	3 sec	8101121
Acrylonitrile 0.2/a	0.2 - 4 ppm	4	8103701
Activation tube for use in conjunction with Formaldehyde 0.2/a tube			8101141
Amine-Test	qualitative	5 sec	8101061
Ammonia 0.25/a	0.25 - 3 ppm	1	8101711
Ammonia 2/a	2 - 30 ppm	1	6733231
Ammonia 5/a	5 - 70 ppm 50 - 600 ppm	6 sec	CH20501
Ammonia 5/b	5 - 100 ppm	10 sec	8101941
Ammonia 0.5%/a	0.5 - 10 ppm	20 sec	CH31901
Aniline 0.5/a	0.5 - 10 ppm	4	6733171
Aniline 5/a	1 - 20 ppm	3	CH20401
Arsine 0.05/a	0.05 - 3 ppm	6	CH25001
Benzene 0.25/a	0.25 - 2 ppm 2 - 10 ppm	5 1	8103691
Benzene 2/a (5)	2 - 60 ppm	8	8101231
Benzene 5/a	5 - 40 ppm	3	6718801
Benzene 5/b	5 - 50 ppm	8	6728071
Benzene 15/a	15 - 420 ppm	4	8101741
BTX (Toluene 5/b)	50 - 300 ppm 5 - 80 ppm	1 5	8101661
n-Butanol 10/a	10 - 250 ppm 250 - 2000 ppm	6 1	8103861
Carbon Dioxide 100/a	100 - 3,000 ppm	4	8101811
Carbon Dioxide 0.1%/a	0.5 - 6 Vol.-% 0.5 - 6 Vol.-%	30 sec	CH23501

Dräger-Tubes® and MicroTubes

Dräger-Tube Description	Standard range of measurement (20 °C, 1013 hPa):	Measurement Time (sec or min)	Order No.
Carbon Dioxide 0.5%/a	0.5 - 10 Vol.-%	30 sec	CH31401
Carbon Dioxide 1%/a	1 - 20 Vol.-%	30 sec	CH25101
Carbon Dioxide 5%/A	5 - 60 Vol.-%	2	CH20301
Carbon Disulphide 3/a	3 - 95 ppm	2	8101891 ²
Carbon Disulphide 5/a	5 - 60 ppm	3	6728351
Carbon Disulphide 30/a	0.1 - 10 mg/L	1	CH23201
Carbon Monoxide 2/a	2 - 60 ppm	4	6733051
Carbon Monoxide 5/c	100 - 700 ppm 5 - 150 ppm	30 sec 2.5	CH25601
Carbon Monoxide 8/a	8 - 150 ppm	2	CH19701
Carbon Monoxide 10/b	100 - 3,000 ppm 10 - 300 ppm	20 sec 4	CH20601
Carbon Monoxide 0.3%/b	0.3 - 7 Vol.-%	30 sec	CH29901 ²
Carbon Tetrachloride 0.1/a	0.1 - 5 ppm	2.5	8103501
Carbon Tetrachloride 1/a	1 - 15 ppm	10	8101021
Chlorine 0.2/a	0.2 - 3 ppm 3 - 30 ppm	3 20 sec	CH24301
Chlorine 50/a	50 - 500 ppm	20 sec	CH20701
Chlorine Dioxide 0.025/a specific	0.025 - 0,1 ppm 0.1 - 1 ppm	7.5 2.5	8103491
Chlorobenzene 5/a (5)	5 - 200 ppm	3	6728761
Chloroform 2/b (5)	20 - 80 ppm	3	6728861 ²
Chloroformates 0.2/b	0.2 - 10 ppm	3	6718601
Chloromethane 10/a	10-100 ppm	1.5	8103911
Chloroprene 5/a	5 - 60 ppm	3	6718901
Chloropicrine 0.1/a	0.1 - 2 ppm	7.5	8103421
Chromic Acid 0.1/a (9)	0.1 - 0.5 mg/m ³	8	6728681
Cyanide 2/a	2 - 15 mg/m ³	2	6728791 ²
Cyanogen Chloride 0.25/a	0.25 - 5 ppm	5	CH19801
Cyclohexane 40/a	40 - 200 ppm 500 - 3000 ppm	75 sec 15 sec	8103671
Cyclohexylamine 2/a	2 - 30 ppm	4	6728931
Diesel Fuel	25 - 200 mg/m ³	2.5	8103475 ²
Diethyl Ether 100/a	100 - 4000 ppm	2.5	6730501
Dimethyl Formamide 10/b	10 - 40 ppm	3	6718501

Dräger-Tubes® and MicroTubes

Dräger-Tube Description	Standard range of measurement (20 °C, 1013 hPa):	Measurement Time (sec or min)	Order No.
Dimethyl Sulphide 1/a (5)	1 - 15 ppm	15	6728451
Epichlorhydrin 5/b	5 - 80 ppm	8	6728111
Ethanol 100/a	100 - 3000 ppm	1.5	8103761
Ethyl Acetate 200/a	200 - 3,000 ppm	5	CH20201
Ethyl Benzene 30/a	30 - 400 ppm	2	6728381
Ethylene 0.1/a (5)	0.2 - 5 ppm	30	8101331
Ethylene 50/a	50 - 2,500 ppm	6	6728051
Ethylene Glycol 10 (5)	10 - 180 mg/m ³	7	8101351
Ethylene Oxide 1/a (5)	1 - 15 ppm	8	6728961
Ethylene Oxide 25/a	25 - 500 ppm	6	6728241
Ethyl Glycol Acetate 50/b	50 - 700 ppm	3	6726801
Fluorine 0.1/a	0.1 - 2 ppm	5	8101491
Formaldehyde 0.2/a	0.2 - 2.5 ppm 0.5 - 5 ppm	1.5	6733081
Activation Tube for use in conjunction with Formaldehyde 0.	2/a tube		8101141
Formaldehyde 2/a	2 - 40 ppm	30 sec	8101751
Formic Acid 1/a	1 - 15 ppm	3	6722701
Halogenated	100 - 2,600 ppm	1	8101601
Hydrocarbons 100/a (8)			
Hexane 10/a	10 - 200 ppm 300 - 2,500 ppm	5 1	8103681
Hydrazine 0.01/a	0.01 - 0.4 ppm 0.5 - 0.6 ppm	20 1	8103351
Hydrazine 0.25/a	0.25 - 10 ppm 0.1 - 5 ppm	1 2	CH31801
Hydrocarbon 2/a	2 - 24 mg/L	5	8103581
Hydrocarbon 0.1%/c	0.1 - 1.3 Vol.-%	2	8103571
Hydrochloric Acid 0.2/a	0.2 - 3 ppm 3 - 20 ppm	2 40 sec	8103481
Hydrochloric Acid 1/a	1 - 10 ppm	2	CH29501
Hydrochloric Acid 50/a	500 - 5,000 ppm 50 - 500 ppm	30 sec 4	6728181
Hydrochloric Acid /Nitric Acid 1/a			8101681
- Hydrochloric Acid	1 - 10 ppm	1.5	
- Nitric Acid	1 - 15 ppm	3	

Dräger-Tubes® and MicroTubes

Dräger-Tube Description	Standard range of measurement (20 °C, 1013 hPa):	Measurement Time (sec or min)	Order No.
Hydrocyanic Acid 0.5/a	0.5 - 5 ppm 5 - 50 ppm	30 sec 0,5	8103601
Hydrogen 0.2%/a	0.2 - 2.0 Vol.-%	1	8101511
Hydrogen 0.5%/a	0.5 - 3.0 Vol.-%	1	CH30901
Hydrogen Fluoride 0.5/a	0.5 - 15 ppm 0.5 - 15 ppm	2 25 sec	8103251
Hydrogen Fluoride 1.5/b	1.5 -15 ppm	2	CH30301
Hydrogen Peroxide 0.1/a	0.1 - 3 ppm	3	8101041
Hydrogen Sulphide 0.2/a	0.2 - 5 ppm	5	8101461
Hydrogen Sulphide 0.2/b	0.2 - 6 ppm	55 sec	8101991
Hydrogen Sulphide 0.5/a	0.5 - 15 ppm	6	6728041
Hydrogen Sulphide 1/c	10 - 200 ppm 1 - 20 ppm	20 sec 3	6719001
Hydrogen Sulphide 1/d	10 - 200 ppm 1 - 20 ppm	1 10	8101831
Hydrogen Sulphide 2/a	20 - 200 ppm 2 - 20 ppm	20 sec 3.5	6728821
Hydrogen Sulphide 2/b	2 - 60 ppm	30 sec	8101961
Hydrogen Sulphide 5/b	5 - 60 ppm	4	CH29801
Hydrogen Sulphide 100/a	100 - 2,000 ppm	30 sec	CH29101
Hydrogen Sulphide 0.2%/A	0.2 - 7 Vol.-%	2	CH28101
Hydrogen Sulphide 2%/a	2 - 40 Vol.-%	1	8101211
Simultan. Tube H2S + SO2 0.2%/a	0.2 - 7 Vol.-%	2	CH28201
Iodine 0.1/a	1 - 5 ppm 0.1 - 0.6 ppm	1 5	8103521
i-Propanol 50/a	50 -4000 ppm	2.5	8103741
Mercaptan 0.1/a	0.1 -2.5 ppm 3 - 15 ppm	3 40 sec	8103281
Mercaptan 0.5/a	0.5 - 5 ppm	5	6728981
Mercaptan 20/a	20 - 100 ppm	2.5	8101871
Mercury Vapour 0.1/b	0.05 - 2 mg/m ³	10	CH23101
Methanol 20/a	20 - 250 ppm 200 - 5000 ppm	6 2	8103801
Methyl Acrylate 5/a 5	5 - 200 ppm	5	6728161
Methyl Bromide 0.1/a	0.1 - 5 ppm 5 - 50 ppm	8 4	3706301

Dräger-Tubes® and MicroTubes

Dräger-Tube Description	Standard range of measurement (20 °C, 1013 hPa):	Measurement Time (sec or min)	Order No.
Methylene Chloride 20/a	20 ppm	7	8103591 ²
Natural Gas Test (5)	qualitative	100 sec	CH20001 ²
Nickel Tetracarbonyl 0.1/a (9)	0.1 - 1 ppm	5	CH19501
Nitric Acid 1/a	5 - 50 ppm 1 - 15 ppm	2 4	6728311
Nitrogen Dioxide 0.1/a	0,1 - 5 ppm 5 - 30 ppm	75 sec 15 sec	8103631
Nitrogen Dioxide 2/c	5 - 100 ppm 2 - 50 ppm	1 2	6719101
Nitrous Fumes 0.2/a	0,2 - 6 ppm	75 sec	8103661
Nitrous Fumes 2/a	5 - 100 ppm 2 - 50 ppm	1 2	CH31001
Nitrous Fumes 20/b	20 - 500 ppm	30 sec	3706171
Nitrous Fumes 50/b	50 - 1,000 ppm 500 - 4,000 ppm	40 sec 80 sec	8103941
Oil 10/a-P	0.1 - 1 mg/m ³	25	6728371
Oil Mist 1/a	1 - 10 mg/m ³	25	6733031
Olefine 0.05%/a - Propylene - Butylene	0.06 - 3.2 Vol.-% 0.04 - 2.4 Vol.-%	20 to 1 20 to 1	CH31201
Organ. Arsenic Compounds and Arsine	0.3 mg/m ³ as AsH ₃	3	CH26303
Organic Basic Nitrogen Compounds	1 mg/m ³	1.5	CH25903
Oxygen 5%/B (8)	5 - 23 Vol.-%	1	6728081
Oxygen 5%/C	5 - 23 Vol.-%	1	8103261
Ozone 0.05/b	0.05 - 0.7 ppm	3	6733181
Ozone 10/a	20 - 300 ppm	20 sec	CH21001
Pentane 100/a	100 - 1,500 ppm	15 sec	6724701
Perchloroethylene 0.1/a	0.5 - 4 ppm 0.1 - 1 ppm	3 9	8101551
Perchloroethylene 2/a	20 - 300 ppm 2 - 40 ppm	30 sec 3	8101501
Petroleum Hydrocarbons 10/a	10 - 300 ppm	1	8101691

Dräger-Tubes® and MicroTubes

Dräger-Tube Description	Standard range of measurement (20 °C, 1013 hPa):	Measurement Time (sec or min)	Order No.
Petroleum Hydrocarbons 100/a	100 - 2,500 ppm	30 sec	6730201
Phenol 1/b	1 - 20 ppm	5	8101641
Phosgene 0.02/a	0.02 - 1 ppm 0.02 - 0.6 ppm	6 12	8101521
Phosgene 0.25/c	0.25 - 5 ppm	5	CH28301
Phosphine 0.01/a	0.1 - 1 ppm 0.01 - 0.3 ppm	2.5 8	8101611
Phosphine 0.1/c	0.5 - 3 ppm 0.1 - 1.0 ppm	1 2.5	8103711
Phosphine 0.1/b, Acetylene	1 - 15 ppm 0.1 - 1 ppm	20 sec 4	8103341
Phosphine 1/a	10 - 100 ppm 1 - 20 ppm	2 10	8101801
Phosphine 25/A	200 - 10,000 ppm 25 - 900 ppm	1.5 13	8101621
Phosphine 50/a	50 ppm	2	CH21201
Phosphoric Acid Ester 0.05/a	0.05 ppm	5	6728461
Polytest	qualitative	1.5	CH28401
Pyridine 5/A	5 ppm	20	6728651
Styrene 10/a	10 - 200 ppm	3	6723301
Styrene 10/b	10 - 250 ppm	3	6733141
Styrene 50/a	50 - 400 ppm	2	CH27601
Sulphur Dioxide 0.1/a	0.1 - 3 ppm	20	6727101
Sulphur Dioxide 0.5/a	1 - 25 ppm 0.5 - 5 ppm	3 6	6728491
Sulphur Dioxide 1/a	1 - 25 ppm	3	CH31701
Sulphur Dioxide 20/a	20 - 200 ppm	3	CH24201
Sulphur Dioxide 50/b	400 - 8,000 ppm	15 sec	8101531
Sulphuric Acid 1/a (9)	1 - 5 mg/m ³	100	6728781
Sulfuryl Fluoride 1/a (5)	1 - 5 ppm	3	8103471
Tertiary Butylmercaptan (for Natural Gas Odorization)	3 - 15 mg/m ³ 1 - 10 mg/m ³	3 5	8103071

Dräger-Tubes® and MicroTubes

Dräger-Tube Description	Standard range of measurement (20 °C, 1013 hPa):	Measurement Time (sec or min)	Order No.
Tetrahydrothiophene 1/b (5)	1 - 10 ppm 4 - 40 mg/m ³	10	8101341
Thioether	1 mg/m ³	1.5	CH25803
Toluene 5/b	50 - 300 ppm 5 - 80 ppm	2 10	8101661
Toluene 50/a	50 - 400 ppm	1.5	8101701
Toluene 100/a	100 - 1,800 ppm	1.5	8101731
Toluene Diisocyanate 0.02/A (9)	0.02 - 0.2 ppm	20	6724501
Trichloroethane 50/d (5)	50 - 600 ppm	2	CH21101
Trichloroethylene 2/a	20 - 250 ppm 2 - 50 ppm	1.5 2.5	6728541
Trichloroethylene 50/a	50 - 500 ppm	1.5	8101881
Triethylamine 5/a	5 - 60 ppm	3	6718401
Vinyl Chloride 0.5/b	5 - 30 ppm 0.5 - 5 ppm	30 sec 3	8101721
Vinyl Chloride 100/a	100 - 3,000 ppm	4	CH19601
Water Vapour 0.1	1 - 40 mg/L	2	CH23401
Water Vapour 0.1/a	0.1 - 1.0 mg/L	1.5	8101321
Water Vapour 3/a	3.0 - -60 lbs/mmcf	90 sec	8103031
Water Vapour 1/b	20 - 40 mg/L 1 - 8 mg/L	20 sec 40 sec	8101781
Water Vapour 50/a	50 - 1000 l bs/mmcf	40 sec	8103021
Xylene 10/a	10 -400 ppm	1	6733161

² Tubes with 6 to 12 months shelf life

Dräger-Tubes® and MicroTubes

Dräger Diffusion Tubes Gas Detection Tubes

The Dräger Diffusion Tubes are direct reading systems used for the determination of time weighted average concentrations over the duration of one to eight hours.



Dräger-Tubes® and MicroTubes

Dräger-Tube Description	Standard range of measurement for 1 h (20 °C, 1013 hPa):	Packaging unit/type	Order No.
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Dräger Diffusion Tubes

Dräger diffusion tubes with direct indication

Ammonia 20/a-D	20 - 1500 ppm*hours 2.5 - 200 ppm for 8 hours	10/pkg	8101301
Butadiene 10/a-D	10 - 300 ppm*hours 1.3 - 40 ppm for 8 hours	10/pkg	8101161
Nitrogen Dioxide 10/a-D	10 - 200 ppm*hours 1.3 - 25 ppm for 8 hours	10/pkg	8101111
Holder for Diffusion Tube		3/pkg	6733014

Dräger-Tubes® and MicroTubes

Dräger accuro Pump for Gas Detection Tubes

Fast measurement with one hand: The Dräger-Tube pump accuro allows you to use the established Dräger-Tubes to take measurements under extreme conditions. The easy-to-use Dräger-Tubes have already been calibrated and form a perfect unit with the Dräger-Tube pump.

Integrated end of stroke indicator

Clear indication when a stroke is ended

Integrated stroke counter

For easy monitoring of the number of strokes made

Integrated tube opener

Simple scoring of the tubes using blade for clean opening



Hard-wearing EPDM rubber housing

Robust rubber mixture for reliable operation

Pump bellows

Precise volumes for a long period of time

Pump bellows

Precise volumes for a long period of time

Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger accuro

Dräger accuro	Gas detector pump Dräger accuro and tube opener Dräger TO 7000	1 / box	6400000
Soft-Side accuro kit	accuro pump, tube opener, spare parts, allen tool, and nylon case	1 / box	8317186
Hard-Side accuro kit	accuro pump, tube opener, spare parts, allen tool, rubber caps and molded case	1 / box	4056443
Spare parts kit for Dräger accuro	6 x valve disc, 1 x window, 3 x membrane, 1 x insert and 1 x grommet	1 / box	6400220
Extension hose 1 m	Incl. adapter for Simultaneous Test Set	1 / box	6400561
Extension hose 3 m	Incl. adapter for tubes and adapter for hose in a carrying box	1 / box	6400077
Extension hose 10 m	Incl. adapter for tubes and adapter for hose	1 / box	6400078
Extension hose 15 m	Incl. adapter for tubes and adapter for hose	1 / box	6400079
Tube opener Dräger TO 7000	Tool to remove tube tips	1 / box	6401200
Adapter for Dräger simultaneous test set	Incl. cutting holder and adapter	1 / box	6400090
Extension hose 30 m	*Contact product manager	1 / box	8325839
Hot Air Probe	Stack gas measurements up to 650 °C	1 / box	CH00213
Caps for tubes		10/pkg	CH16631
Transport case	Molded plastic case with foam insert	1/box	4056442

Additional accessories upon request.

Technical Data

Dimensions (W x H x D)	170 x 45 x 85 mm (6.7 x 1.8 x 3.3 in)		
Stroke volume	100 ±5 cm ³		
Weight	220 – 250 g (8 - 9 oz)		
Ambient conditions	Temperature	-20 °C to +50 °C (-4 °F to +122 °F)	
	Relative humidity	0 – 95 % non-condensing	
	CE-certified (EN 0158)		
Approvals	ATEX	I M1	
		II 1GD IIB 85°C T6 II 2G IIC T6 -20 °C ≤ Ta ≤ +50 °C	
	DIN EN ISO	17621	

Dräger-Tubes® and MicroTubes

Dräger HazMat Simultest Kit

The Dräger HazMat Simultest Kit is designed to quickly determine the presence of inorganic and organic gases and vapors. The Simultaneous Test Sets I, II & III consist of five tube sets to detect toxic substances generated from burning combustible materials, flammable liquids or flammable gases and substances evolving from a chemical leak or spill.



D-31344-2011

Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger HazMat Simultest Kit**HazMat Simultest Kit**

Includes: accuro® bellows pump with individual tube opener, spare parts, Simultaneous Set I (3 each), Simultaneous Set II (3 each), and Simultaneous Set III (4 each), simultaneous test set opener, 1-meter extension hose with 5-tube adapter, air current kit and laminated instruction cards with full color graphics.

A rugged Pelican carrying case protects the kits contents.

HazMat Simultest Kit			4056098
HazMat Simultest Carrying Case with foam inserts only			4056458

Space is provided in the kit for 6 additional boxes of standard Dräger-Tubes®. Dräger provides over 250 different chemical specific short term tubes for detection of over 1,000 chemicals.

Test Set Information

Simultaneous Test Set I Detects acid gases (e.g. hydrochloric acid, nitric acid), hydrocyanic acid, carbon monoxide, basic type gases (e.g. ammonia, butylamine) and nitrous gases (NO & NO ₂)			8101735
Simultaneous Test Set II Detects sulfur dioxide, chlorine, hydrogen sulfide, carbon dioxide and phosgene.			8101736
Simultaneous Test Set III Detects organics: ketones (e.g. acetone, MEK), aromatics (e.g. benzene, toluene), alcohols (e.g. methanol, ethanol), aliphatic hydrocarbons(e.g. n-hexane, n-octane) and chlorinated hydrocarbons (e.g. perchloroethylene, trichloroethylene)			8101770

Accessories

Extension hose 1 m	Incl. adapter for Simultaneous Test Set	1 / box	6400561
Tube Opener Dräger TO 7000	Tool to remove tube tips	1 / box	6401200

Dräger-Tubes® and MicroTubes

Dräger Civil Defense Simultest (CDS)

The Dräger CDS Kit uses specialized Dräger simultaneous tube sets (**sold separately**) to quickly and reliably detect the presence of nerve, blister, blood and choking agents.



Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger Civil Defense Simultest Kit**Civil Defense Simultest Kit**

Includes: Two accuro bellows pumps, a TO 7000 tube opener, a spare parts set and two 1-meter extension hoses with 5-tube adapter; CDS tube sets are ordered separately.

A rugged Pelican carrying case protects the kits contents.

Civil Defense Simultest Kit without tube sets.	4523131
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Space is provided in the kit for 6 additional boxes of standard Dräger-Tubes®. Dräger provides over 250 different chemical specific short term tubes for detection of over 1,000 chemicals.

Test Set Information, ordered separately

CDS Simultaneous Set I detects Thioether (S-Mustard) Phosgene Hydrocyanic Acid Organic Arsenic Compounds & Arsine (Lewisite) Organic Basic Nitrogen Compounds (N-Mustard)	8103140
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Simultaneous Set V detects Cyanogen Chloride Thioether (S-Mustard) Phosgene Chlorine Phosphoric Acid Esters (Nerve agents e.g. GA, GB, GD)	8103200
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Accessories

Extension hose 1 m	Incl. adapter for Simultaneous Test Set	1 / box	6400561
Tube Opener Dräger TO 7000	Tool to remove tube tips	1 / box	6401200
Case with inserts for CDS	No pumps or accessories	1 / box	8103580

Dräger-Tubes® and MicroTubes

Dräger Simultaneous Test Sets Gas Detection Tubes

Risks and potential dangers at a glance: The Simultaneous Test Sets allow the measurement of five different gases at the same time.



ST-6728-2006

Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger Simultaneous Test Sets

Simultest Set I (inorganic gases)	Detection of: acid gases, basic gases, carbon monoxide, hydrocyanic acid & nitrous gases (NO & NO ₂)	5 / set	8101735
Simultest Set II (inorganic gases)	Detection of: phosphine, chlorine, hydrogen sulfide, phosgene & sulfur dioxide	5 / set	8101736
Simultest Set III (organic gases)	Detection of: alcohols, aliphatic hydrocarbons, aromatics, chlorinated hydrocarbons & ketones	5 / set	8101770
Civil Defense Simultest Set I	Detection of: S-mustard, phosgene, hydrogen cyanide, lewisite & N-mustard	5 / set	8103140
Civil Defense Simultest Set V	Detection of: nerve agent, phosgene, cyanogen chloride, chlorine & S-mustard	5 / set	8103200
Clan Lab Simultest Set	Detection of: phosphine, phosgene, ammonia, hydrochloric acid & iodine	5 / set	8103310
Simultaneous Test Set-Fumigation I	Detection of: ammonia, methyl bromide, hydrocyanic acid, phosphine & formaldehyde	5 / set	8103410
Simultaneous Test Set-Fumigation II	Detection of: formaldehyde, phosphine, hydrocyanic acid, methyl bromide & ethylene oxide	2 sets of 5 / set	8103380

Accessories

Extension hose 1 m	Incl. adapter for Simultaneous Test Set	1 / box	6400561
Hot pack set with holder, complete	For temperature down to -20 °C; includes adapter & 2 hot packs	1/box	8316130
Hot packs	Replacement warming packs	2/box	8316139

Dräger-Tubes® and MicroTubes

Dräger Aerotest® Simultan HP

Dräger Aerotest® Simultan HP is used to determine the quality of respiratory air in high-pressure applications. Quantitative measurements for CO, CO₂, H₂O and condensed oil / lubricants in breathing apparatus cylinders and compressors are accomplished in minutes.



Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger Aerotest Simultan HP**Dräger Aerotest Simultan HP**

Comprised of one high pressure reducer, CGA-347 adapter, measuring device for 4 Dräger-Tubes impactor adapter, stopwatch, tube opener Dräger TO 7000, bubble test hose, instruction for use, transport case, kit w/o Dräger-Tubes			6525980
Dräger Simultan HP <u>complete</u> with Dräger Tubes:			6525990
pack of 10 Dräger Oil Impactors, 0.1 to 1.0 mg/m ³	10/pkg		8103560
box of 10 Dräger-Tubes, CO ₂ 100/a-P, 100 to 3,000	10/pkg		6728521
box of 10 Dräger-Tubes CO 5/a-P, 5 to 150 ppm	10/pkg		6728511
box of 10 Dräger-Tubes H ₂ O 20/a-P, 20 to 1,500 mg/m ³	10/pkg		8103061
Adapter, oil impactor	1/ea		8103557
Measuring arrangement (4), HP	1/ea		6525927
Tube holder	1/ea		CH07000

Technical Data

Dimensions [L x W x H, mm]	350 x 300 x 85 (13.8 x 11.8 x 3.3 in)
Weight [kg]	approx. 3.0 (6.6 lbs)
Supply Pressure [bar]	Max. 4,500 psi
Connection	CGA-347
Flow [L/min]	0.2 and 4.0

Oxygen Measurement

T-piece (tubing not included) Tubing size 3/16 inch (5 mm) ID made of FKM, EPDM or rubber)	6525971
pack of 10 Dräger-Tubes O ₂ 5%/C	8103261
Dräger accuro hand pump	6400000

Dräger-Tubes® and MicroTubes

Dräger Aerotest® Alpha Dräger-Tubes®

The Dräger Aerotest® Alpha is the instrument of choice for monitoring the purity of breathing air in the low pressure range. In combination with the Dräger Oil Impactor, the system achieves an unprecedented quality of breathing air monitoring.



Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger Aerotest Alpha

Dräger Aerotest Alpha

Comprising of 1 pressure reducer, measuring device for 4 Dräger-Tubes®, impactor adapter, coupling, barbed nipple, stopwatch, tube opener Dräger TO 7000, bubble test hose, instruction for use, transport case (black), kit without Dräger-Tubes			6527149
Dräger Alpha complete with Dräger-Tubes:			6527150
pack of 10 Dräger Oil Impactors, 0.1 to 1.0 mg/m ³	10/pkg		8103560
box of 10 Dräger-Tubes, CO ₂ 100/a-P, 100 to 3,000 ppm	10/pkg		6728521
box of 10 Dräger-Tubes CO 5/a-P, 5 to 150 ppm	10/pkg		6728511
box of 10 Dräger-Tubes H ₂ O 20/a-P, 20 to 1,500 mg/m ³	10/pkg		8103061
Adapter, oil impactor	1/ea		8103557
Measuring arrangement (4), Alpha	1/ea		6527325
Tube holder	1/ea		CH07000

Technical Data

Dimensions [L x W x H, mm]	350 x 300 x 85 (13.8 x 11.8 x 3.3 in)
Weight, including contents	approx. 3.0 kg
Max. supply pressure	15 bar
Pressure gauge	0.3 to 15 bar
Connection for compressed air supply, barbed nipple	9 mm
Supply pressure (set on delivery)	3.0 bar
Flow rate	0.2 and 4.0 l/min

Oxygen Measurement

T-piece (tubing not included) Tubing size 3/16 inch (5 mm) ID made of FKM, EPDM or rubber)	6525971
pack of 10 Dräger-Tubes O ₂ 5%/C	8103261
Dräger accuro hand pump	6400000

Dräger-Tubes® and MicroTubes

Dräger MultiTest med. Int. Gas Detection Tubes

Designed to meet the requirements of medical supply systems, the Dräger MultiTest med. Int. checks the purity of medical gases. A single test system is all that is needed to detect contaminants in compressed air, nitrous oxide, carbon dioxide and oxygen.

Transport Case

Adapter for oil impactor

Adapters

Instructions for use

Measuring Device

Stopwatch

Dräger-Tubes

Oil Impactor

Tube opener
Dräger TO 7000

Pressure regulator



Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger MultiTest med. Int.**Dräger MultiTest med. Int.**

Dräger MultiTest med. Int. (Impactor and tubes not included) comprising of 1 O ₂ pressure regulator, measuring device for 7 tubes, impactor adapter, NIST connector, closing coupling, stopwatch, tube opener Dräger TO 7000, bubble test hose, instruction for use, transport case (blue), kit without Dräger-Tubes			6527319
Dräger MultiTest med. Int. <u>complete</u> with Dräger-Tubes:			6520260
pack of 10 Dräger Oil Impactors, 0.1 to 1.0 mg/m ³	10/pkg		8103560
box of 10 Dräger-Tubes carbon dioxide (CO ₂) 100/a-P, 100 to 3,000 ppm	10/pkg		6728521
box of 10 Dräger-Tubes carbon monoxide (CO) 5/a-P, 5 to 150 ppm	10/pkg		6728511
box of 10 Dräger-Tubes nitrous gases (NOX) 0.2/a, 0.2 to 6 ppm	10/pkg		8103661
box of 10 Dräger-Tubes sulfur dioxide (SO ₂) 0.5/a, 0.25 to 25 ppm	10/pkg		6728491
box of 10 Dräger-Tubes hydrogen sulfide (H ₂ S) 1/d, 1 to 20 ppm	10/pkg		8101831
box of 10 Dräger-Tubes water vapor (H ₂ O) 20/a-P, 20 to 1,500 mg/m ³	10/pkg		8103061
Adapter, oil impactor	1/ea		8103557
Measuring arrangement (7), MultiTest med. Int.	1/ea		6527321
Tube holder	1/ea		CH07000

Technical Data

Dimensions of carrying case (L x W x H)	400 x 300 x 91 mm (15.8 x 11.8 x 3.6 in)
Weight, including contents	approx. 3.0 kg (6.6 lbs)
Max. supply pressure	20 bar (290 psi)
Supply pressure (set on delivery)	3.0 bar
Connection for compressed air supply	9 mm barbed nipple
Flow rate	0.2 and 4.0 (l/min.)

Oxygen Measurement

T-piece (tubing not included) Tubing size 3/16 inch (5 mm) ID made of FKM, EPDM or rubber)	6525971
pack of 10 Dräger-Tubes O ₂ 5%/C	8103261
Dräger accuro hand pump	6400000

Dräger-Tubes® and MicroTubes

Dräger Aerotest® SimultanTest CO₂ Gas Detection Tubes

The Dräger SimultanTest CO₂ allows the purity of carbonic acid to be measured in the 3 bar low pressure range.



Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger SimultanTest CO₂**Dräger SimultanTest CO₂**

Dräger SimultanTest CO₂: (Impactor and tubes not included) comprising of 1 O₂ pressure regulator, measuring device for 7 tubes, closing coupling (G 1/4), stopwatch, tube opener Dräger TO 7000, instruction for use, transport case (blue), kit without Dräger-Tubes

6526743

Dräger SimultanTest CO₂ complete with Dräger-Tubes:

6526170

box of 10 Dräger-Tubes nitrous gases (NOX) 0.2/a, 0.2 to 6 ppm

10/pkg

8103661

box of 10 Dräger-Tubes ammonia (NH₃) 2/a, 0.6 to 9 ppm

10/pkg

6733231

box of 10 Dräger-Tubes phosphine (PH₃) 0.1/c, 0.1 to 1 ppm

10/pkg

8103711

box of 10 Dräger-Tubes carbon monoxide (CO) 5/a-P, 5 to 150 ppm

10/pkg

6728511

box of 10 Dräger-Tubes sulfur dioxide (SO₂) 1/a, 0.5 to 2 ppm

10/pkg

CH31701

box of 10 Dräger-Tubes hydrogen sulfide (H₂S) 0.2/a, 0.04 to 1 ppm

10/pkg

8101461

box of 10 Dräger-Tubes water vapor (H₂O) 5/a-P, 5 to 200 mg/m³

10/pkg

6728531

Measuring arrangement (7), CO₂

1/ea

6526744

Tube holder

1/ea

CH07000

Technical Data**Dräger SimultanTest CO₂**

Dimensions of carrying case (L x W x H) 350 x 300 x 85 mm (13.8 x 11.8 x 3.3 in)

Weight, including contents ca. 3.0 kg (6.6 lb)

Min/Max. supply pressure 3 to 20 bar (43.5 to 290 psi)

Connections Quick-lock coupling (external thread G 1/4)

Connection for compressed air supply 9 mm barbed nipple

Flow rate 0.2, 0.8 and 2.0 l/min

Dräger-Tubes® and MicroTubes

Dräger Flow Check Air Flow Indicator

The Dräger Flow Check air current indicator produces a harmless cloud of smoke that floats freely and easily, because it has the same density as ambient air. Consequently, slight air currents become visible to easily identify leaks and test the integrity of air-tight systems.



ST-66-98

Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger Flow Check**Dräger Flow Check**

Air flow indicator with one pack of 3 ampoules, battery pack and charger, packaged in a rigid plastic case.

6400761

Accessories

Flow Check ampoules (3 ampoules and 1 nozzle)	3 / box	6400812
Battery Charger 110 VAC	1 / box	3703625
Battery pack	1 / box	6400817

Technical Data

Operating Temperature	5 °C to 40 °C (41 °F to 104 °F)
Smoke Time per Ampoule	approx. 3 min
Operating Time per Battery Charge	approx. 20 min
Ni-Cd rechargeable Battery	7.2 V; 1.4 Ah
Charging current	700 mA
Dimensions	approx. 300 mm x 200 mm x 70 mm (11.8 in x 7.8 in x 2.8 in)
Weight	approx. 500 g (1.1 lbs.)

**Dräger Air-flow tester****Dräger Air-flow tester**

Air-flow tester	Air-flow tester kit contained in a carrying box, comprising an Aspirator bulb, air flow, test tubes (10 pieces) and rubber cups.	CH00216
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Accessories

Air-flow test tubes (pack of 10)	CH25301
Aspirator bulb	4054382
Package of 10 rubber cups	CH16631

Dräger-Tubes® and MicroTubes

Dräger X-act® 7000 Multi-Gas Detector

The innovative Dräger X-act® 7000 analysis system consists of Dräger MicroTubes and an opto-electronic analysis device that lets you precisely measure gases in the low ppb range. It gives you precise results right on site, replacing slow, expensive lab analyses. It's extremely easy to use: insert the Dräger MicroTubes, start measuring, then read out the test result.



Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
Pump accessories			
Dräger X-act® 7000 Coupler		1 / box	8610810
Dräger X-am® Pump		1 / box	8327115
Dräger X-act 7000® Device		1 / box	8610800
Other accessories			
Dräger X-act® 7000 Pre-tube holder		1 / box	3701985
Dräger Tubes® ppb-Booster Basic		10 / box	3702013
H2S filter pre-tube for use with Mercury MicroTube		10 / box	3716630
Tube opener, TO 7000		1 / box	6401200
Alkaline batteries		5 / box	3703133
“Silver” Sticker Set, 5 pieces		5 / box	8327645
“Blue” Sticker Set, 5 pieces		5 / box	8327646
“Red” Sticker Set, 5 pieces		5 / box	8327647
“Green” Sticker Set, 5 pieces		5 / box	8327648
“Yellow” Sticker Set, 5 pieces		5 / box	8327649
Carry case, 470 x 365 x 190 mm (18.5 x 14.4 x 7.5 inches) black		1 / box	3703690
Display protector film (3 pcs.)		3 / box	8326828
Dust and water filter for pump inlet		1 / box	8319364
Filter Set, 20 pieces per pack (no Luer adaptors)		20 / box	3705997
AA battery		5/pkg	3703133
Probes			
Rigid probe set, GP 600 (50 cm / 20 in) with 1 m / 39 in FKM hose		1 / box	8328667
Flexible, semi-rigid probe (70 cm / 27 in) with 1 m / 39 in FKM hose		1 / box	8316531
Rigid fiberglass probe (90 cm / 35 in) with 1 m / 39 in FKM hose		1 / box	8316532
ESI50 Telescopic probe (max. length: 150 cm / 59 in)		1 / box	8316533
Hoses			
PTFE-lined PVC hose, 3 m (9.8 ft)		1 / box	8326980
PTFE-lined PVC hose, 15 m (49.2 ft)		1 / box	4594679
Replacement hose for probes, 2 m (6.6 ft)		1 / box	8318205
FKM hose, inner diameter: 3.2 mm, length: 5 m (16.4 ft)		1 / box	8325705
FKM hose, inner diameter: 3.2 mm, length: 10 m (32.8 ft)		1 / box	8325706
FKM hose, inner diameter: 3.2 mm, length: 20 m (65.6 ft)		1 / box	8325707
FKM hose, inner diameter: 3.2 mm, length: 45 m (147.6 ft)		1 / box	8328212
Hose connector, outer diameter: 5 mm (10 pcs.)		10 / box	8320087
Adapter			
Luer Adapter Set 3 + 5 mm		1 / box	8328213

Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
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Dräger X-act® 7000**Dräger X-act® 7000**

Consisting of: Basic device X-act® 7000 incl. batteries, shoulder strap complete, MicroTube Demo, Torx T10 screwdriver, USB cable 2 m with Mini-connection

8610800

Dräger MicroTubes*

Acetic Acid	Test Range: 2-50 ppm Test time: 20-170 seconds	10 / pkg	8610330
Acetone	Test Range: 25 - 5,000 ppm Test time: 20 - 500 seconds	10 / pkg	8610470
Alcohol (Methanol)	Test Range: 10 - 5,000 ppm Test time: 20 - 450 seconds	10 / pkg	8610380
Alcohol (Ethanol)	Test Range: 5 - 2,500 ppm Test time: 20 - 450 seconds	10 / pkg	8610380
Alcohol (i-Propanol)	Test Range: 10 - 5,000 ppm Test time: 20 - 450 seconds	10 / pkg	8610380
Alcohol (n-Butanol)	Test Range: 7 - 3,330 ppm Test time: 20 - 450 seconds	10 / pkg	8610380
Ammonia	Test Range: 1 - 100 ppm Test time: 10 - 75 seconds	10 / pkg	8610130
Ammonia	Test Range: 100 - 2,500 ppm Test time: 3 - 45 seconds	10 / pkg	8610020
Benzene ^{1,2}	Test Range: 2 - 150 ppb Test time: 100 - 900 seconds	10 / pkg	8610600 ¹
Benzene ¹	Test Range: 0.15 - 10 ppm Test time: 25 - 150 seconds	10 / pkg	8610030 ¹
Benzene	Test Range: 10 - 100 ppm Test Time: 10 - 75 seconds	10 / pkg	8610280
1,3-Butadiene ²	Test Range: 25 - 500 ppb Test time: 200 - 600 seconds	10 / pkg	8610460
1,3-Butadiene	Test Range: 0.5 - 25 ppm Test time: 10 - 280 seconds	10 / pkg	8610300
Carbon Dioxide	Test Range: 200 - 50,000 ppm Test time: 2 - 120 seconds	10 / pkg	8610190
Carbon Monoxide	Test Range: 2 - 1,000 ppm Test time: 5 - 300 seconds	10 / pkg	8610080
Chlorine	Test Range: 50 - 5,000 ppb Test time: 10 - 400 seconds	10 / pkg	8610010
Demo	Test Range: NA Test time: approx. 30 seconds	10 / pkg	8610290
Ethylene oxide	Test Range: 25 - 250 ppb Test time: 150 - 600 seconds	10 / pkg	8610200

Dräger-Tubes® and MicroTubes

Product	Description	Packaging unit/type	Order No.
Ethylene oxide	Test Range: 0.25 - 10 ppm Test time: 100 - 500 seconds	10 / pkg	8610580
Formaldehyde	Test Range: 5 - 150 ppb Test time: 360 - 960 seconds	10 / pkg	8610540
Formaldehyde	Test Range: 0.15 - 3 ppm Test time: 300 - 600 seconds	10 / pkg	8610100
Hydrochloric Acid	Test Range: 0.5 - 25 ppm Test time: 10 - 100 seconds	10 / pkg	8610090
Hydrocyanic Acid	Test Range: 0.5 - 50 ppm Test time: 20 - 180 seconds	10 / pkg	8610520
Hydrogen Sulfide	Test Range: 0.1 - 50 ppm Test time: 5 - 960 seconds	10 / pkg	8610050
Hydrogen Sulfide	Test Range: 100 - 2,000 ppm Test Time: 15 - 180 seconds	10 / pkg	8610220
Mercaptan	Test Range: 50 - 6,000 ppb Test time: 15 - 360 seconds	10 / pkg	8610360
Mercury ³	Test Range: 0.005 - 0.25 mg/m ³ Test time: 240 - 1,200 seconds	10 / pkg	8610350
Methylene Chloride ²	Test Range: 10-500 ppm Test time: 180-720 seconds	10 / pkg	8610510
MTBE	Test Range: 2 - 200 ppm Test Time: 60 - 450 seconds	10 / pkg	8610530
Nitrogen Dioxide	Test Range: 0.25 - 50 ppm Test time: 10 - 210 seconds	10 / pkg	8610120
Nitrous Fumes	Test Range: 0.25 - 50 ppm Test time: 5 - 120 seconds	10 / pkg	8610060
Ozone	Test Range: 10 - 1,000 ppb Test Time: 50 - 840 seconds	10 / pkg	8610430
Perchloroethylene	Test Range: 1 - 500 ppm Test time: 25 - 240 seconds	10 / pkg	8610040
Petroleum Hydrocarbons	Test Range: 10 - 300 ppm Test time: 10 - 360 seconds	10 / pkg	8610270
Phosgene	Test Range: 10 - 1,000 ppb Test time: 10 - 300 seconds	10 / pkg	8610340
Phosphine	Test Range: 50 - 5,000 ppb Test time: 20 - 95 seconds	10 / pkg	8610400
Sulfur Dioxide	Test Range: 0.05 - 5 ppm Test time: 20 - 480 seconds	10 / pkg	8610110

Dräger-Tubes® and MicroTubes

Toluene ¹	Test Range: 10 - 1,000 ppm Test time: 6 - 360 seconds	10 / pkg	8610250 ¹
Trichloroethylene	Test Range: 0.25 - 50 ppm Test Time: 20 - 270 seconds	10 / pkg	8610320
Vinyl Chloride	Test Range: 0.1 - 10ppm Test Time: 15 - 660 seconds	10 / pkg	8610230
Xylene ¹	Test Range: 10 - 1,000 ppm Test time: 10 - 240 ppm	10 / pkg	8610260 ¹

Each MicroTube offers 10 tests

All MicroTubes have a 12 month shelf life

¹MicroTubes to be stored at or below 50 °F; do not freeze

²MicroTubes requiring the ppb booster tube

³Use with the Hydrogen Sulfide pre-tube

Technical Data

Dimensions (L x W x H)	195 mm x 85 mm x 70 mm (7.7 in x 3.3 in x 2.8 in)
Measuring range and resolution	Varies, depending on the Dräger MicroTubes in use
Typical testing time	From 5 seconds to 1,200 seconds, depending on the Dräger MicroTubes in use and the concentration of the test substance.
Ready to use	Immediately
Calibration	Not necessary
Operating temperature	0 to +50 °C (+32 to +122 °F)
Storage temperature	-20 to +55 °C (-4 to +131 °F) (Analyzer) +4 to +25 °C (+39 to +77 °F) (Dräger MicroTubes)
Air pressure	cCSAus, IECEx, ATEX, CE
Humidity	0 to 95 % relative humidity, non-condensing
Recording of measured data	CMOS sensor optics and LED light
System diagnostics	Automatic, using micro-controllers for all system components
Display	2.4 inch high contrast, color display with a resolution of 240 x 320, viewing angle of 160°
Menu languages	30
Operating time	Approx. 600 minutes of testing time
Power supply	5 x 1.5 v AA alkaline batteries; refer to the IFU for approved types
Approvals	ATEX/IECEx, II 1G Ex IIC T4 Ga cCSAus, Class I, Zone 0, AEx ia IIC T4 Ga
Protection class	IP54, dust- and splash-resistant

Alcohol and Drug Testing

Alcohol and Drug Testing

Dräger Alcotest® 4000	203
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Dräger Alcotest® 6820 DOT	212
Dräger Alcotest® 7000	215
Dräger DrugTest 5000	218

Dräger Alcotest® 4000

Alcohol breath device for mass screening

The Dräger Alcotest® 4000 breathalyzer offers responsible drivers a reliable way to test their breath alcohol and gives them the assurance of being legal to drive. This is ensured by the same precise measurement technology used by law enforcement to conduct over 30 million breath alcohol tests a year.



Alcohol and Drug Testing

Product	Description	Packaging unit/type	Order No.
Dräger Alcotest® 4000			
Dräger Alcotest® 4000 - USA			3706325
Dräger A4000 additional 5 mouthpieces, hygienically and individually packed			8325250
Microfiber bag			8324994

Alcohol and Drug Testing

Technical Data

Measuring principle	Electrochemical Dräger sensor for 1/4" technology, alcohol specific
Measuring range	0 to 0.50 % BrAC; if the limits of the measuring range are exceeded, a message is displayed
Sampling	Automatic sampling when minimum blow time is reached; Automatic sampling when end of breath is reached; depending on configuration
Ready for use	Approx. 4 seconds after switching on
Display of the measurement results	After approx. 3 s (at 0.00 % BrAC); After approx. 10 s (at 0.10 % BrAC, room temperature)
Operating temperature	-5°C to +50°C / 23°F to 122°F
Relative humidity	10 to 100 % relative humidity (non-condensing and in operating state)
Ambient pressure	600 to 1,300 hPa / 17.7 to 38.4 inch Hg
Display	Graphic backlit LCD display; 32 x 22 mm / 1.3 x 0.9 inch (128 x 64 pixels)
LED	Blue light emitting diode (LED) to support the indication of results and warning message
Audible signal	Various acoustic signals to support messages and warnings on the display
Datalogger	Memory of last 400 tests
Power supply	Replaceable CR123A-Battery (1 pc.), charge level indicator in display, with one battery up to 1,500 breath tests can be done.
Mouthpiece	Hygienically and individually packed
Operating concept	Measurement functions can be performed using just one button
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
Dimensions (W x H x D)	Approx. 50 x 133 x 29 mm / 2.0 x 5.3 x 1.1 inches
Weight	Approx. 120 g / 4.2 oz. including battery
Vibration and shock	EN 60068-2-32
CE marking	CE conform
Norms	EN 15964, NHTSA, FDA Conformity, depending on configuration
Integrated clock	To show the last service date
IP protection class	IP52

Alcohol and Drug Testing

Dräger Alcotest® 5000

Alcohol breath device for mass screening

The Dräger Alcotest® 5000 is a highly reliable breath-alcohol tester that detects the presence of alcohol. This high-speed breathalyzer lets you perform up to 12 tests per minute. Its special non-contact funnel reduces the back-flow of expired air to a minimum, preventing the risk of infection to subsequent test subjects.



Alcohol and Drug Testing

Product	Description	Packaging unit/type	Order No.
Dräger Alcotest® 5000			
Dräger Alcotest® 5000, V1 - FDA Compliant Languages: EN, DE, FR, ES, NL, IT, CA, PT		1 / box	8327701
Alcotest® 5000 funnels, 10 pc., individually hygienically packaged		1 / box	8327718
Calibration Adapter Alcotest® 5000		1 / box	8327741
Reflector film set (yellow), Alcotest® 5000		1 / box	8327742
Reflector film set (orange), Alcotest® 5000		1 / box	8327743
Alkaline batteries (Mignon, LR6, AA, 1.5V) – 3 batteries required		1 / box	1335804

Technical Data

Measuring range	0 to 0.006 %BAC → “Tick mark” symbol on the display screen means “No Alcohol Detected”, visually supported by a green LED.
	Over 0.006 %BAC → “X” symbol on the display screen means ‘Alcohol Detected’, visually supported by a red LED.
	Over 0.535 %BAC → Measuring range exceeded (↑↑↑)
Standard sampling	Sampling starts automatically when the minimum volume or predefined blowing time is reached. Passive sampling can be done with or without a funnel. Sampling can be triggered manually while the test subject blows into the funnel.
Start-up time	Ready to use approx. 4 sec. after switching on
Display of test results	After approx. 2 sec. (at 0 to 0.006 %BAC); after approx. 6 sec. (at e.g. 0.105 %BAC, at room temperature).
Measurement basis	Electrochemical DrägerSensor®, alcohol-specific
Display	Graphic LCD display with backlight 32 x 22 mm (128 x 64 pixel)
LEDs	Two-colours, for supporting test results and warning messages on the display
Acoustic signals	Various signal tones for supporting display and warning messages
Memory	Memory Stores the latest 500 test results with test number, date and time
Energy supply	Energy supply 3x AA batteries, charge status shown on display; with the battery life from 3x AA batteries, more than 5,000 tests can be performed.
Funnel intake	Click adapter for funnel
Funnel	Hygienic, individually packaged with air outlets for minimizing back-flow of expired air

Alcohol and Drug Testing

Technical Data

Operating design	Test functions are started with the "OK" button; two arrow buttons are used to navigate through the menu.
Calibration	Wet- or dry-gas calibration with the Alcotest 5000 calibration adapter
Exterior	Impact-proof ABS/PC
Dimensions (W x H x D),	Weight Approx. 63 x 219 x 41 mm; approx. 245 g incl. funnel and batteries
Vibration and impact resistance	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE marking	EMC Directive
Standards	Contactless breath-alcohol testing devices are currently not subject to any standards
Internal clock	Warning 30 days before service interval expires
Operating temperature	-15 °C to +50 °C
Air humidity	10 to 100 % relative humidity (not condensed and in operation)
Ambient pressure	600 to 1,300 hPa

Alcohol and Drug Testing

Dräger Alcotest® 6000

Alcohol breath device for mass screening

The Dräger Alcotest® 6000 allows the professional user to perform a breath alcohol test with speed and precision. The measuring technology of this small and user-friendly portable measuring device has already been proven worldwide and has been sold over 1,000,000 times.

Mouthpiece holder available
for left or right side use

Mouthpiece holder available
for left or right side use

Text shown on the display
ensures correct usage

Color LEDs supplement the display
and provide warning messages

Menu buttons for the user
and service menu

Easy one-button operation
using the OK button

Battery compartment for
replaceable lithium battery

Housing meets IP54
protection rating

Reflective hand strap



D-32068-2020

Alcohol and Drug Testing

Product	Description	Packaging unit/type	Order No.
Dräger Alcotest® 6000			
	Dräger Alcotest® 6000 – USA		3706962
	Mouthpiece – Package with 100 pieces		6810690
	Mouthpiece – Package with 250 pieces		6810825
	Mouthpiece – Package with 1,000 pieces		6810830
	Mouthpiece with non return valve – Package with 100 pieces		6811055
	Mouthpiece with non return valve – Package with 250 pieces		6811060
	Mouthpiece with non return valve – Package with 1,000 pieces		6811065
	Protection bag, black		8324999
	Protection Bag yellow		8327811
	Battery		4543808

Alcohol and Drug Testing

Technical Data

Measuring principle	Electrochemical DrägerSensor in 1/4" technology; alcohol specific
Measuring range	0 to 0.525 %BAC; if measurement range limit is exceeded, a message is displayed
Sampling	Standard: automatic sampling when minimum volume resp. defined blow time is reached; Passive sampling without mouthpiece or manual initiation of sampling possible
Ready for use	Approx. 2 seconds after switching on
Display of measurement result	After approx. 3 s (at 0 mg/l, room temperature)
Operating temperature	-5 to +50 °C / 23 to 122 °F
Relative humidity	10 to 100 % relative humidity (non-condensing and in operating state)
Ambient pressure	600 to 1,300 hPa / 17.7 to 38.4 inch Hg
Display	Graphic backlit LCD display; 32 x 22 mm / 1.3" x 0.9" (128 x 64 pixels)
LED	2-colour, to support display of results and warning messages
Audible signal	Signal tone to support display messages and warnings
Datalogger	Storage of last 500 tests with test numbers, date and time
Power supply	1 x CR123A-Battery, charge level indicator in display, with one battery up to 1,500 breath tests can be done.
Mouthpiece adaption	Improved Slide'n'click mouthpiece attachment; can be fitted for right or left orientation
Mouthpiece	Hygienically, individually packaged, with tamper-proof, tamperproof air outlet, mouthpiece ejector and spacer between mouth and instrument housing
Operating concept	Measurement functions can be performed using just one button; menu navigation is via two menu button
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
Dimensions (W x H x D), weight	Approx. 50/60 x 141 x 31 mm / 2"/2.4" x 5.6" x 1.2"; approx. 150 g / 0.33 lbs, incl. battery
Instrument configuration	Direct menu-guided configuration of instrument settings (PIN required) No additional PC software needed
Vibration and shock	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE marking	CE conform
Norm	EN 15964, NHTSA, FDA Conformity, depending on configuration
Internal clock	Warning or deactivation after end of service interval
Protection type	IP54
Bluetooth® (optional)	For the communication with the Dräger Mobile Printer BT

Alcohol and Drug Testing

Dräger Alcotest® 6820 DOT Breathalyzer built for DOT applications

In workplaces regulated by the US Department of Transportation (DOT), sober employees are essential – both for public safety and for the company's reputation. The Dräger Alcotest® 6820 DOT provides fast and accurate alcohol test results. This reliable breathalyzer makes it easy to follow DOT breath test protocol and includes the most extensive training in the industry.



Alcohol and Drug Testing

Product	Description	Packaging unit/type	Order No.
Dräger Alcotest® 6820 DOT KIT			
Dräger Alcotest® 6820 DOT KIT			4414141
Dräger Alcotest® 6820 DOT KIT w/ 34L Dry Gas			4414142
Dräger Alcotest® DOT KIT w/ 105L Dry Gas			4414143
Mouthpieces (box of 100)		1 / box	6810690
Mobile Printer for DOT Applications		1 / box	4415531
Printer Paper		1 / box	4415520
Tamper Tape		1 / box	4415509
Batteries		1 / box	4401006
Carrying Case		1 / box	4415529
Diagnostics Software		1 / box	4413078
USB cable for downloading data		1 / box	8319715
DOT Forms		1 / box	4401004
Non DOT Forms		1 / box	4401019
CAL /ACC Check		1 / box	4414158
Large Seal Adapter		1 / box	6809263
Regulator		1 / box	4507068
Dry Gas 34L 0.04 % BrAC Ethanol		1 / box	4401029

Alcohol and Drug Testing

Technical Data

Test method	Electrochemical Dräger sensor for 1/4" technology; alcohol-specific
Test range	0 to 0.500 % BAC; display indication when exceeding test range
Sampling	Standard: automatic sampling when minimum volume is reached Manual triggering of sampling possible
Ready for use	Approx. 4 s after powering up
Test result display	Approx. 3 s (with 0 %BAC), 10 s (at 0.105 %BAC, room temperature)
Operating temperature	-5 to +50 °C; +23 to +122 °F
Display	Graphic LCD display with background illumination; 1.61 in × 0.95 in (41 mm × 24 mm); 128 × 64 pixels
LED	3 colors to indicate messages or alerts
Acoustic alarms	Different signal tones indicate various messages and alerts
Memory	Space for saving the last 1,900 tests with test number, date and time (ability to recall last 250 on device)
Power supply	Two AA batteries or NiMH batteries, battery indicator on the display Around 1,500 breath tests can be conducted with one set of batteries Recharging of NiMH batteries is possible in device
Calibration	Wet gas or dry gas calibration
Dimensions (H x W x D)	5.79 in × 2.56 in × 1.53 in (147 mm × 65 mm × 39 mm)
Weight	Approx. 0.57 lbs
Device configuration	Device settings configurable directly via device menu (PIN required) No additional PC software required
Vibration and impact	Meets EN 60068-2-6, EN 60068-2-27, EN 60068-2-64, MIL-STD 810F
CE marking	Directive 89/336/EEC (electromagnetic compatibility)
Data interfaces	USB to PC; optical interface for printer control
Standard	Meets EN 64 and is listed on NHTSA CPL for Evidential Breath Testers
Protection type	IP54; protection against dust and water

Dräger Alcotest® 7000

Alcohol breath device for mass screening

In workplaces regulated by the US Department of Transportation (DOT), sober employees are essential – both for public safety and for the company's reputation. The Dräger Alcotest® 7000 DOT provides fast and accurate alcohol test results. This reliable breathalyzer makes it easy to follow DOT breath test protocol and includes the most extensive training in the industry.



Alcohol and Drug Testing

Product	Description	Packaging unit/type	Order No.
Dräger Alcotest® 7000			
Dräger Alcotest® 7000 – Standard LE version	Testing Device with alkaline batteries, three mouthpieces, wrist strap, Bluetooth, USB C cable, calibration certificate.		NA10958
Dräger Alcotest® 7000 – DOT version	Testing Device with alkaline batteries, three mouthpieces, wrist strap, Bluetooth, USB C cable, calibration certificate.		NA10956
Dräger Alcotest® 7000 charging cradle			3700420
Dräger Bluetooth mobile printer			3700421
Mouthpieces -- package of 100			6810690
Mouthpieces – package of 250			6810825
Mouthpieces – package of 1,000			6810830
Mouthpiece with one-way/non-return valve – package of 100			6811055
Mouthpiece with one-way/non-return valve – package of 250			6811060
Mouthpiece with one-way/non-return valve – package of 1,000			6811065
Hygienic flow funnel, package of 10; individually, hygienically packed			8327718

Alcohol and Drug Testing

Technical Data

Detection basis	Electrochemical DrägerSensor®, 1/4" technology, alcohol-specific
Measurement range	Breath alcohol concentration: 0 to 0.63 % BrAC (Ethanol mass per minimum volume at 93 °F and 1,013 hPa) Visual signal when measuring limits are exceeded
Sample collection	Default: Automatic sample collection when minimum volume or predefined blowing time is reached; Passive sampling or manual triggering of sampling possible
Start-up time	Approx. 3 seconds after switching on (depending on configuration)
Display of test results	After approx. 3 seconds at 0.0 % BrAC After approx. 10 seconds at 0.1%BrAC
Ambient operating conditions	+14°F to +131°F; 10 to 100 % relative humidity (non condensing); 600 to 1,300 hPa
Ambient conditions during storage	-4°F to +140°F; 15 to 75 % relative humidity (10 to 100% relative humidity < 48 h); 600 to 1,300 hPa
Display	QVGA TFT color display 320 x 240 2.4 in
LEDs	Tricolor LEDs to help display results and warning messages
Acoustic signals	Various signal tones to support display and warning messages
Memory	Store the last 10,000 tests (software can be modified on request to offer even more storage space)
Energy supply	Lithium battery version (rechargeable via USB-C) or alkaline version (3 x 1.5 V alkaline or 3x NiMH or 3x lithium primary cell (Mignon, LR06, AA)). Charge status shown in display; one charge/ battery change is sufficient for up to 5,000 breath tests (lithium version) or up to 1,500 breath tests (alkaline version).
Mouthpiece receptacle	The Slide 'n' Click mouthpiece or Alcotest® funnel mounts on either side
Mouthpiece	Hygienic, individually packaged with tamper-proof, non-closing air outlet Mouthpiece ejector and spacer between mouth and device housing
Funnel	Hygienic, individually packaged with air outlets for minimizing back-flow of expired air
Operating design	Measuring functions can be performed with one button; Navigation in menu with two menu buttons
Test for accuracy	Recommended interval of 12 months Wet gas or dry gas calibration;
Casing	Impact-resistant ASA/PC
Dimensions (W x H x D), Weight (including batteries)	2.4 in x 6.8 in x 1.4 in A7000 Li: 9.7 oz / A7000 AA: 10.1 oz
Vibration and impact resistance	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE mark	Electromagnetic compatibility
Standards	EN 15964, NHTSA, Australian Standard, FDA conformity, depending on configuration
Internal clock	Warning or switch-off after expiration of calibration period (depending on configuration)
IP protection class	IP 54
Interface	USB-C
Bluetooth®	Bluetooth® Low Energy 5.0
GPS	Optional

Alcohol and Drug Testing

Dräger DrugTest 5000 Drug Testing Device

The Dräger DrugTest 5000 system is a fast, accurate means of testing oral fluid samples for drugs of abuse, such as amphetamines, designer amphetamines, opiates, cocaine and metabolites, benzodiazepines, cannabinoids, and methadone. The analyzer offers easy data management with the Dräger Diagnostics Software. FOR LAW ENFORCEMENT USE ONLY.



Alcohol and Drug Testing

Product	Description	Packaging unit/type	Order No.
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Dräger DrugTest 5000

Dräger DrugTest 5000 Analyzer including power supply, connecting cable and instructions for use.			8327900
Consumables			
Dräger DrugTest 5000 Test Kits - 20/Box (COC, OPI, BZO, THC, AMP, MET, MTD)		1 / box	8323636
Dräger DrugTest Surface Screening Kits - 20/Box		1 / box	8320490
Accessories			
Compact Keypad (PS/2, dimensions approx. 11.1" x 5.2" x 0.9") "QWERTY" English Keyboard Layout		1 / box	4415005
Car Cable 12 V (Connecting Cable from car socket/cigarette lighter to DrugTest 5000 Analyzer)		1 / box	8312166
Dräger Mobile Printer		1 / box	8319310
Thermal Paper for Dräger Mobile Printer (1 roll)		1 / box	4415520
Carrying Bag for Dräger DrugTest 5000 Analyzer		1 / box	8322675
USB Connection Cable for Communication with a PC		1 / box	4415001
PC Software Module for Dräger DrugTest 5000		1 / box	8319977

An optional carrying bag is available for the safe transportation of all system components. The keyboard enables information on the test subject and system operator to be entered, allowing a record of this data to be printed out on the spot along with the results.

Technical Data

Supply Voltage	12 V DC (11 to 15 V DC)
Current Consumption	Typically 3 A
Dimensions (W x H x D)	7.9" x 9.8" x 8.7"
Weight	9.9 lbs
Temperature	Operation: 5 to 40 °C (+41 to +104°F) Storage/Transportation: -20 to +60°C (-4 to +140°F)
Moisture Range	5 to 95%rh, non condensing
Interfaces	Optical IRDA (printer), PS/2, USB Slave
Duration of One Measurement	5 to 10 minutes, depending on type of test
Storage Capacity	500 data sets
Carrying Bag	For Mobile System

Workshop Solution & Breathing Gas Supply

Test Equipment

Quaestor 6000	221
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Filling Station for Oxygen Cylinders

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Cleaning, Disinfecting and Drying

Neutral Disinfectant Cleaner	236
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Workshop Solution & Breathing Gas Supply

Dräger Quaestor 6000 Test Equipment

All static and dynamic tests of the Dräger Quaestor 6000 take place semi-automatically as a sophisticated combination of personal handling and automated control during the test sequence. The software supports you with intuitive user guidance.



Workshop Solution & Breathing Gas Supply

Product	Description	Packaging unit/type	Order No.
Dräger Quaestor 6000			
Dräger Quaestor 6000 Standard NA	PC-supported semi-automatic test instrument for the testing of full-face masks, chemical protection suits and compressed air breathing apparatus		R63160
Optional accessories			
Filling nozzle cpl., Minimesse® (f) – 8 mm			3717557
Minimesse® hose 1.5 m (female-female)			37 17 558
For the version Minimesse® hose 37 17 558 one of following HD adapters must be ordered additionally:			
HP adapter 4500 psi, Minimesse (male) – CGA 347			3717565
HP adapter 300 bar, Minimesse® (AG) – 8 mm			3717567
Dräger QSI-Box	Used for the sound insulation of the low pressure warning		R58382
Compressed air breathing apparatus holder	Used during the test to keep the compressed air breathing apparatus upright		3716663
Gauge holder	Used for the easy positioning of the pressure gauge or Dräger Sentinel on the test device		3719538
MP hose 500 mm extension	To extend the connection from the medium pressure inlet to the medium pressure hose of the compressed air breathing apparatus		R57999
2216 Module			3731941
4500 psi Outlet			3723208
2216 psi Outlet			3723207
Pressure Reducer			R57584
Transport Case			3712635
Barcode-labels 30 x 13mm (outside)			AG02395
Barcode-labels 30 x 13mm (inside)			AG02396
Barcode-labels 22 x 8mm (outside)			AG02551
Hose set CPS-Test (suit with 2 valves)			R61886
Hose set CPS-Test (suit with 1 valve)			R61887
Transponder reader			6559283
Minimesse® is a trademark owned by Hydrotechnik GmbH.			

Workshop Solution & Breathing Gas Supply

Technical Data

Dimensions with test head (W x H x D)	50 x 55 x 65 mm / 19.7 x 21.7 x 25.6 in
Weight (fully equipped with test head)	19.4 kg / 42.8 lb.
Permitted temperature (storage)	from -30 °C to 60 °C / -22 °F to 140 °F
Permitted temperature (operation)	from 0 °C to 40 °C / 32 °F to 104 °F
Permitted air pressure	800 to 1,200 hPa / 22.6 to 35.4 inHg
Permitted humidity	30 to 90 % rel. humidity
Compressed air supply	Buffer bottle or pipework 300 bar/4500 psi stainless steel pipe
Pressure sensor accuracy	Class \leq 1.0 according to DIN EN 837
Pressure ranges	High pressure 0...350 bar / 0...5000 psi
	Medium pressure 0...25 bar / 0...300 psi
	Low pressure -40...+30 mbar
External cable connections	1 x USB interface to the PC
	1 x 24 V power adapter for 110/230 V power supply
Breathing frequency of the artificial lung	5 to 40 strokes/min
Maximum breathing volume	136 l/min
Tidal Volume	max. 3.4 l

Workshop Solution & Breathing Gas Supply

Dräger Quaestor 8000 Test Equipment

All static and dynamic tests of the Dräger Quaestor 8000 are carried out fully automatically. Controlled by the proven Protector software, each test is carried out intuitively. For you, this guarantees high efficiency through comfort and speed.



Workshop Solution & Breathing Gas Supply

Product	Description	Packaging unit/type	Order No.
Dräger Quaestor 8000			
Dräger Quaestor 6000 Standard NA	PC-supported semi-automatic test instrument for the testing of full-face masks, chemical protection suits and compressed air breathing apparatus		R63160
Dräger Quaestor 8000 CCBA NA	PC-supported fully-automatic test instrument for the testing of full-face masks, chemical protection suits, compressed air breathing apparatus and closed circuit breathing apparatus		R63290
Optional accessories			
Filling nozzle cpl., Minimesse® (f) – 8 mm			3717557
Minimesse® hose 1.5 m (female-female)			3717558
For the version Minimesse® hose 3717558 one of following HP adapters must be ordered additionally:			
HP adapter 4500 psi, Minimesse (male) – CGA 347			3717565
HP adapter 300 bar, Minimesse® (AG) – 8 mm			3717567
Dräger QSI-Box	Used for the sound insulation of the low pressure warning		R58382
Compressed air breathing apparatus holder	Used to position the compressed air breathing apparatus upright during the test		3716663
Hose set CPS test (suits with 2 valves)			R61888
Hose set CPS test (suits with 1 valve)			R61889
Barcode-label 30 x 13mm (outside)			AG02395
Barcode-label 30 x 13mm (inside)			AG02396
Barcode-label 22 x 8mm (outside)			AG02551
Transponder reader			6559283
Minimesse® is a trademark owned by Hydrotechnik GmbH.			
2216 Module			3731941
4500 psi Outlet			3723208
2216 psi Outlet			3723207
Pressure Reducer			R57584

Workshop Solution & Breathing Gas Supply

Technical Data

Dimensions with test head (D x W x H)	50 x 55 x 65 cm / 19.7 x 21.7 x 25.6 in
Weight (fully equipped with test head)	21.75 kg / 48 lb
Permitted temperature (storage)	from -30 °C to 60 °C / -22 °F to 140 °F
Permitted temperature (operation)	from 0 °C to 40 °C / 32 °F to 104 °F
Permitted air pressure	800 to 1.200 hPa / 22.6 to 35.4 inHg
Permitted humidity	30 to 90 % rel. humidity
Compressed air supply	Buffer bottle or pipework 300 bar/4500 psi stainless steel pipe
Pressure sensor accuracy	Class ≤ 1.0 according to DIN EN 837
Pressure ranges	High pressure 0...350 bar / 0...5000 psi
	Medium pressure 0...25 bar / 0...300 psi
	Low pressure -40...+30 mbar
	Low pressure -70...+30 mbar (diving)
	Flow O ₂ for 1 – 3 l/min (CCBA)
External cable connections	1 x USB interface to the PC
	1 x 24 V power adapter for 110/230 V power supply
	1 x connection for external microphone
Breathing frequency of the artificial lung	5 to 40 strokes/min
Maximum breathing volume	136 l/min
Tidal Volume	max. 3.4 l

Dräger Testor 2500 Test Equipment

The Dräger Testor 2500 is a compact, versatile test unit for the static tests of your breathing protection equipment. Testing is reliable, easy, and convenient. The compact design enables it to be integrated smoothly into any breathing protection workshop.



Workshop Solution & Breathing Gas Supply

Technical Data

Dimensions (W x H x D)	300 x 515 x 335 mm / 11.8 x 20.3 x 13.2 in
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Weight Dräger Testor 2500	5.5 kg / 12 lb. 2 oz.
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Environmental operating conditions

Temperature	+10 to 40 °C / 50 to 104 °F
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Air pressure	850 mbar to 1,400 mbar
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Rel. humidity	max. 70 %
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Compressed air supply	4 to 10 bar / 58 to 145 psi
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Medium-pressure manometer

Measurement range	0 to 10 bar / 0 to 145 psi
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Scale division	0.5 bar
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Measurement precision	1.6% from end value
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Low-pressure manometer

Measurement range	-15 / 0 / +25 mbar
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Scale division	0.5 mbar
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Measurement precision	1.0% from end value
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Timer

Display	LCD
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Pre-selected measuring time	1 s to 99 min
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Workshop Solution & Breathing Gas Supply

Product	Description	Packaging unit/type	Order No.
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Dräger Testor 2500

Dräger Testor 2500	Consisting of: Basic device, 4500 PSI test gauge, LDV test kit, IFU		R62960
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Accessories

Workbench fixture			R62968
R 62 968	(for LDV)		R62954
Outside barcode labels, small 22 x 8 mm, 500 per roll	(for outside adhesion, e.g. on housing)		AG02551
Inside barcode labels, large 30 x 13 mm, 500 per roll	(for inside adhesion, e.g. in mask glass)		AG02396
Outside barcode labels, large 30 x 13 mm, 500 per roll	(for outside adhesion, e.g. on housing)		AG02395
CPS set for suits with one valve			R61887
CPS set for suits with two valves			R61886
MP hose 39 in. extension			R61898
MP hose 20 in. extension			R57999
Bag for test device			R63099

Workshop Solution & Breathing Gas Supply

Dräger RZ 7000 Test Equipment

Easy to use: With the Dräger RZ 7000 you can carry out the function and leak tests of the Dräger PSS® BG 4 plus easier and faster than ever before.



Workshop Solution & Breathing Gas Supply

Product	Description	Packaging unit/type	Order No.
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Technical Data

30 mbar to -30 mbar	20 x 22 x 26 in (50 x 55 x 65 cm)
Measurement precision	1% of end value
Measurement range for volume flow	0,5 L/min to 4 L/min
Measurement precision	5% of measurement precision
Internal test volume	500 ml
Supply voltage	100 – 240 V (50 – 60 Hz)
Car charger	12 V
Battery	Lithium ion
Degree of protection	IP54 (with locked lid)
Weight	8.3 kg / 18.3 lbs (incl. power supply unit w/o IFU)
Dimensions	W x H x D: 470 x 357 x 176 mm / 1ft 7in x 1ft 2in x 0ft 7in
Scope of supply	Power supply unit, instruction for us

Dräger RZ 7000

Dräger RZ 7000	R62500
Accessories for testing	
Adapter for testing face masks and individual components R62599	R62599
Adapter for sealing face mask R53345	R53345
USB cable 83 18 469	8318469
Car charger cable 83 20 252	8320252
Test head R50572	R50572
Bench mounting fixture R62561	R62561
Dräger Protector Software 83 21 598	8321598
PSS® BG 4 plus test-kit R33777	R33777

Dräger DOB 200 ECO

Filling station for oxygen cylinders

Discover the Dräger DOB 200 ECO: A highly mobile, efficient filling station for all common oxygen cylinders. Its compact design with rolling wheels makes it easy to transport, while the robust housing protects contents from damage. The simple and automated filling procedure saves both time and effort.



Workshop Solution & Breathing Gas Supply

Product	Description	Packaging unit/type	Order No.
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Technical Data

Weight (incl. filling panel)	78 kg / 172 lb (Type B)
Dimensions (W x H x D)	800 x 581 x 482 mm / 31.5 x 22.9 x 19.0 inches
Operation noise	72.5 dB (average)
Max. operating pressure (Type B)	241 +5 bar / 3,500 +72.5 psi
Temperature range	-15 C to +40 C / +5 F to +104 F
Connections	G3/4 external thread
Supply performance	min. 70 NI/min
Medium	O ₂ or with O ₂ enriched breathing air
Power supply (Type B) Motor variant 4	115 V / ~ 60 Hz

Dräger Oxygen Booster (DOB) 200 ECO

DOB 200 ECO CA/US		6923190
Filling panels	G3/4a-CGA540i(4x)	6905281
	G3/4a-W21,8xi(4x)	6905282
	G3/4a-CGA540i(6x)	6924948
	G3/4a-W21,8xi(6x)	6924949
Supply Hoses	1.5 m / CGA540 female – G3/4 female	6568198
	1.5 m / W21,8 female – G3/4 female	6568201
	3 m / CGA540 female – G3/4 female	6568255
	3 m / W21,8 female – G3/4 female	6568202
	5 m CGA540i-G3/4i	6568200
	5 m W21,8xi-G3/4i	6568203

Supply hoses with other connections are available upon request.

Connection hose to the filling panel

Hose O2 PS 220	0,7 m G3/4i-G3/4i	6904969
A complete system requires: DOB ECO 200, Filling Panel, Supply hose and Connection hose.		

Spare parts

Spare part set	DOB 200 ECO 2 y	6905297
Spare part set	DOB 200 ECO 5 y	6905298

Dräger DOB-H

Filling station for oxygen cylinders

Small, sturdy and effective: the mobile Dräger Oxygen Booster DOB-H, a single-stage, dual-action piston pump, is indispensable in all situations where high-pressure oxygen is needed in apparatus cylinders but no power source is available.



Workshop Solution & Breathing Gas Supply

Product	Description	Packaging unit/type	Order No.
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Technical Data

Nominal pressure (psi / bar)	2900 / 200 + 10 %
Max. operating pressure (psi / bar)	3190 / 220 positive pressure
Drive	Manually operated
Pump	Dry run double plunger compressor
Filling connection	Standard connection acc. to DIN 477 G 3/4 for oxygen
Weight (lb / kg)	approx. 110 / 50
Dimensions of container (L x W x H in in)	DOB-HT 200 approx. 34 x 22 x 13

Dräger Oxygen Booster DOB-H

Oxygen Booster DOB-HT 200 (portable, G 3/4, PN 200 bar) Incl. plastic case and high pressure hose (PN: 6531046)	6531300
High pressure hose, 0.3 m-G 3/4	6531049
High pressure hose, 1.5 m-G 3/4	6531046
High pressure multiple port hose 0.3 m-G 3/4	6531063
Tool Bag, Complete	6530986
Spare set DOB H 5 y	6598774

Workshop Solution & Breathing Gas Supply

Neutral Disinfectant Cleaner Cleaning, Disinfecting and Drying

A multipurpose, neutral pH, disinfectant detergent and deodorant approved by Dräger for use with our FPS® and PSS® products.

Neutral pH

Fungicidal and
mildew resistant

D-1191E-2016



Disinfects, cleans
and deodorizes

Highly concentrated

Workshop Solution & Breathing Gas Supply

Product	Description	Packaging unit/type	Order No.
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Technical Data

Volume	9.46L (2.5 gallons)
Dimensions without hand pump (L x W x H)	29.21 cm x 13.97 cm x 30.48 cm (11.5" x 5.5" x 12")
Dimensions with hand pump (L x W x H)	34.29 cm x 13.97 cm x 43.18 cm (13.5" x 5.5" x 17")
Storage Temperature	0 C to 50 C (32 F to 122 F)
Product dilution information:	Up to 2 oz/gal or 15.6 mL/L in water
DIN	02342820

Neutral Disinfectant Clean-CAN, 9.46L	4000015
Hand pump for Neutral Disinfectant Cleaner-CAN (Reusable). Maximum Order of 3	4000020

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Draeger

Respiratory products from Dräger



Protection that goes beyond your mask

Dräger is synonymous with professional respiratory protection world-wide. We not only offer a complete range of compatible air purifying respiratory protection products but are your partner when it comes to questions regarding occupational safety and health.

Dräger is always the right partner – not only when it comes to masks, filters, compressed airline systems, self-contained breathing apparatuses and escape devices, but also a world-wide sales and service network – Dräger is able to offer you the most extensive support available.

This includes support in service, maintenance, repair and cleaning of the Dräger products as well as the speedy supply of spare parts – no matter where you are. In addition, the Dräger Safety Academy offers an extensive training program. Competent advice for the correct use of filters or for the selection of a suitable respiratory protection is certainly also part of our comprehensive service portfolio.

Our high demands on quality and service as well as the alignment with the needs of our customers result in durable products for your daily working routine. Pursuant to this our long-term product concepts guarantee reliable fulfilment of demands and spare parts supply in the future.

All this makes Dräger a reliable partner of the industry in every respect. On your request we develop comprehensive safety concepts and solutions far beyond the individual products. This can also include financing solutions, as leasing and financing are a part of our service portfolio. This is a part of our integral service concept.

Did you expect anything less from Dräger?

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Terms & Conditions

1. Scope of Application, General

- 1.1 Any delivery of goods and provision of services (hereinafter collectively “Goods”) by Dräger* to the Customer, with the exception of construction works shall be subject to these General Terms and Conditions (“GTC”) set forth herein. These GTC form a constituent part of all offers, orders and agreements between Dräger and the Customer.
- 1.2 Deviating terms and conditions - unless agreed to in writing - do not apply. Dräger and the Customer may agree to terms and conditions deviating from these GTC, such terms shall then have priority over these GTC. These GTC apply even if Dräger provides the Goods with knowledge but without actual acceptance of deviating terms and conditions of the Customer.
- 1.3 Dräger provides construction works in accordance with the German Standard Building Contract Terms, Part B (Verdingungsordnung für Bauleistungen, Teil B - “VOB/B”). The VOB/B shall be supplemented in a subordinate manner by Sections 2.2, 3, 4, 6 and 11 to 13 of these GTC.

2. Scope of Performance

- 2.1 Offers by Dräger shall always be non-binding. Orders shall be deemed accepted only if Dräger confirms same or carries out the order.
- 2.2 The offer by Dräger shall govern the scope of performance. Statements as to weight and measurements in brochures and offers are according to best knowledge but are not guaranteed properties (Beschaffenheitsgarantie). The right to reasonable performance and construction modifications is reserved. The functions of software shall be limited to the description in the performance specifications. To the extent reasonably acceptable to the Customer Dräger may use components that are as good as new or that have been rendered as good as new.
- 2.3 Technical norms serve as performance specification only, provided Dräger does not expressly provide a guarantee in the form of a full guarantee for compliance with such technical norm. Guarantees as to properties (Beschaffenheitsgarantie) or shelf life (Haltbarkeitsgarantie) must be in writing.
- 2.4 Dräger shall retain, without limitation, any and all ownership rights, copyrights and industrial property rights in drawings, technical documents and other data, information and documentation in material or immaterial form, including in electronic form; these may not be disclosed to third parties without written consent.
- 2.5 In case of resale of Goods the Customer is responsible to comply with all applicable export rules and regulations. The Customer shall defend and indemnify Dräger from all costs and claims based on the violation of export rules and regulations by the Customer.”

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