Dräger

Dräger X-am[®] 8000 Multi-Gas Detection Device

Clearance measurement was never this easy and convenient: The 1 to 7 gas detector detects toxic and flammable gases as well as vapours and oxygen all at once – either in pump or diffusion mode. Innovative signalling design and handy assistant functions ensure complete safety throughout the process.

Switch easily between pump and diffusion mode

Impact detection informs you to severe mechanical stresses

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

Optional **Bluetooth®** module to connect with the CSE Connect app for Android

Bluetooth[®] is a registered trademark of Bluetooth SIG, Inc.



Glowing green D-light (optional) indicates: tested and ready for use

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

Easy-to-read colour display with zoom function

Inductive charging

Benefits

Multi-gas detector

- 1- to 7 gas detection device
- for clearance measurement
- detection of toxic and combustible gases as well as vapours and oxygen

Specially designed for use with a pump, optimised for clearance measurement

The Dräger X-am[®] 8000 is equipped with a very powerful pump. It can be connected with hoses of up to 45 metres in length. A pump adapter makes it easy to switch between diffusion and pump mode at any time. This means the pump is only operated when you actually need it. That saves energy, reduces wear and tear, and thereby extends the lifespan of the pump.

Handy and durable, the Dräger X-am[®] 8000 is intuitive to operate single-handedly using three function keys. The easy-to-read colour display clearly lays out all the information for you.

Standard accessories include a sturdy shoulder strap, so you can comfortably carry the X-am 8000. Thanks to its compact and robust construction, the device can withstand even the harshest conditions.

Clearance measurement, release and documentation in no time

The X-am 8000 effectively supports various applications with specially developed assistant functions that guide you through each process step by step. During clearance measurement, for example, the smart assistant calculates the necessary flooding time for the device and probe (FKM hose) based on parameters such as measuring gases, temperature limits, and the indicated hose length.

When monitoring for possibly high methane concentrations, an optional automatic measurement range switch makes it easier to take a reading: if the Cat-Ex sensor measures values above 100% LEL, the display switches to the range of 0 to 100 vol%.

An additional useful tool is CSE Connect. It combines an Android app, specially designed for the X-am 8000, with a cloud-computing solution. Measuring jobs can be quickly and easily transferred to the app using an online application. An optional Bluetooth[®] module in the Dräger X-am 8000 enables measured values to be transferred automatically to the CSE Connect app. You can also easily and conveniently use the app to create measurement reports. This saves time and helps you manage your measuring tasks during clearance measurements more efficiently.

Clear signalling design

The signal system of the Dräger X-am 8000 is based on a clear colour code, in accordance with the requirements of the EN 60079-29-1, EN 45544-1 and EN 50104:

Red light = gas alarm

Benefits

- Yellow light = device-related alarm, e.g. low battery
- Green light = device is ready for use

The green glow of the D-light allows you to see from a distance whether the device has been properly tested and is ready for use.

In case of an alarm, the X-am 8000 alerts you with colourful alarm LEDs, a loud horn (100 dB(A) at a distance of 30 cm), and clearly palpable vibration. Optionally, four preset hazard symbols are available for the display which explicitly indicate the presence of explosive or toxic gas hazards, for example. This allows the user to easily recognise the type of hazard based purely on the symbol displayed.

The X-am 8000 is equipped with an impact detection system. The event report indicates whenever severe mechanical impacts have occurred that might result in functional impairments of the device or the sensors. These are also documented in the data logger. With this information, a device attendant can specifically check the device.

Economical Fleet Management

Bumptest and calibration are carried out simply and quickly using the Dräger X-dock[®] calibrating station. Its low test gas consumption keeps operating costs to a minimum.

Its reporting function and numerous other useful features make the X-dock Manager PC software a smart addition to any fleet management operation. To identify the devices in the fleet, you can either use tried and tested barcodes or an integrated RFID transponder.

Specialist for high and low hydrocarbon concentrations

To measure hard-to-detect hydrocarbons, you can fit the Dräger X-am 8000 with one of two high-performance PID sensors. The PID HC covers a measurement range of 0 to 2,000 ppm (Isobutene). The PID LC ppb is particularly suited for a measurement range of 0 to 10 ppm (Isobutene) with a high resolution in the range below 1 ppm.

For benzene-specific measurements, the X-am 8000 can be used with a pre-tube. The advantage: you only need one measuring device for this application, which significantly reduces the costs of purchasing, maintaining and transporting devices in use. The use of the pre-tubes is supported by a built-in assistant.

Inductive charging protects against wear and tear

The X-am 8000 features inductive charging. This makes it easier to operate and increases the lifespan of the device. Issues like corrosion and contact problems in the charging cradle are a thing of the past. You can charge (outside of explosion-hazard zones) and measure at once, e.g, when in use inside vehicles or on machinery.

Benefits

The charging cradle can connect with one another, taking up minimal space, and are compatible with existing Dräger X-am[®] series cradles.

Details







Pump adapter

D-14324-2017

Pre-tube holder

Features	Dräger X-am [®] 3500	Dräger X-am [®] 8000
Number of measuring gases	1 to 4	1 to 7
Internal pump, activation with pump adapter	Yes	Yes, optional
Inductive charging	Yes	Yes
Customer-specific settings when ordering	No	Yes
Shoulder strap included as standard	No	Yes
Catalytic bead sensor DrägerSensor [®] CatEx 125 PR	Yes	Yes, configurable
Catalytic bead sensor DrägerSensor® CatEx 125 PR Gas	No	Yes
Electrochemical (EC) DrägerSensors®: XXS O₂, XXS CO LC, XXS H₂S LC, XXS NO₂, XXS SO₂	Yes	Yes, configurable
Electrochemical (EC) DrägerSensors®: other sensors/special gases	No	Yes, configurable
Infrared (IR) DrägerSensors® Dual IR Ex/CO ₂ , IR-Ex, IR-CO ₂	No	Yes, configurable
Photoionisation detector (PID) DrägerSensors®: PID HC, PID LC ppb	No	Yes, configurable
Automatic measurement range switching for the catalytic bead sensor, catalytic bead sensor, measuring gas: methane	No	Yes, configurable
Assistant: Confined Space, Leak Search, Benzene/Pre-Tube	No	Yes, only when a pump is installed
Toxic Twins: CO and HCN signal processing	No	Yes
Bluetooth®1	No	Option

Comparison of Dräger X-am[®] 3500 and Dräger X-am[®] 8000

Dräger offers two different multi-gas detection devices with internal pump: Dräger X-am[®] 8000 and Dräger X-am[®] 3500. The different features of both devices are summarised in the table above.

Accessories



Inductive charger

To charge the device inductively

D-6555-2017

Accessories



Pedestal

To stand the device upright for area monitoring. The pedestal can be used with or without a shoulder strap.

Protective rubber boot

Prevents damage and wear in harsh environments. The protective boot can easily be replaced by the user.



Adhesive label

The adhesive label can have device-specific information inscribed on it, such as the sensor configuration.

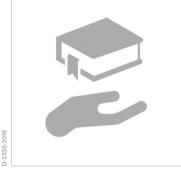
Services



Product Service

Our product service provides support with different service packages – in our workshops or directly on your premises. Care, maintenance and servicing are crucial for safety and reliability – but careful maintenance and care are a must, even when it comes to commercial considerations. Preventive checks, ongoing care and use of original replacement parts improve the longevity of your investment.

Training



The Dräger Academy has shared its solid, practical knowledge for over 40 years. We hold more than 2,400 training courses each year, on a range of over 600 topics, with more than 110 authorised trainers. We equip your staff with practical knowledge and ensure that what they learn can be applied effectively, both day-to-day and, more importantly, whenever critical situations occur. We will be pleased to develop a customised training programme for you.

Rental Service

From bridging a temporary shortage of equipment to procuring special equipment for applications involving specific requirements: If you only need to cover a temporary higher demand, then Dräger Rental Service with over 65,000 pieces of rental equipment is an economical alternative to purchasing. Fast, straightforward and with a wide range of additional services available upon request.



-2330-2016

On-site Safety Service

Whether through a rental shop, personnel services or comprehensive safety management, our On-Site Safety Services provide support in all projects where there are particular safety risks – not to mention normal day-to-day business.

Technical Data

Dimensions (H x W x D)		179 x 77 x 42 mm	
Weight	Approx. 495 g, depending on sensor configuration, without strap, without pump		
	Approx. 550 g, depending on sensor co	onfiguration, without strap, with pump	
Housing	Durable two-component housing		
Display	High-contrast colour display		
Temperature	- 20 °C to 50 °C		
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	
	Vibration		
Ingress protection class	IP 67		
Energy supply	Lithium-ion battery, rechargeable, induct	tive 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	
	With CatEx-, IR- and 3 EC sensors	Typically 14 hours	
	PID only	Typically 42 hours	
Charging times	·		
Start-up times	Typically 4 hours after use during a shift of max. 10 hours		
Data storage	Typically <60 seconds for standard sensors 12 MB, e.g. at 10 minutes per hour of gas exposure with measuring values changing b		
	the second on all 7 channels: approx. 2		
Pump operation	Max. hose length 45 m		
	Marking Explosion Protection:		
Approvals			
	ATEX / IECEx	l M1, II 1G	
		Ex da ia I Ma, Ex da ia IIC T4 Ga	
	ATEX / IECEx	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X	
	EAC	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X 0Ex da ia IIC T4 Ga X	
		Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X 0Ex da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga	
	EAC	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000	
	EAC	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX:	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR Gas, Dual IR Ex, XXS H2 HC)	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR Gas, Dual IR Ex, XXS H2 HC) Oxygen deficieny/excess oxygen:	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 GaPO Ex da ia I Ma XOEx da ia IIC T4 Ga XClass I, Zone 0, AEx da ia IIC T4 GaClass II, Div 1, Gr. E, F, GC22.2 No. 152, ANSI-ISA 12.13.01:2000Explosion protection according ATEX:EN 60079-29-1 (CatEx 125 PR, CatEx 125PR Gas, Dual IR Ex, XXS H2 HC)Oxygen deficieny/excess oxygen:EN 50104 (XXS O2)Toxic gases:EN 45544-1, EN 45544-2, EN 45544-3	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 GaPO Ex da ia I Ma XOEx da ia IIC T4 Ga XClass I, Zone 0, AEx da ia IIC T4 GaClass II, Div 1, Gr. E, F, GC22.2 No. 152, ANSI-ISA 12.13.01:2000Explosion protection according ATEX:EN 60079-29-1 (CatEx 125 PR, CatEx 125PR Gas, Dual IR Ex, XXS H2 HC)Oxygen deficieny/excess oxygen:EN 50104 (XXS O2)Toxic gases:EN 45544-1, EN 45544-2, EN 45544-3	
	EAC cCSAus	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR Gas, Dual IR Ex, XXS H2 HC) Oxygen deficieny/excess oxygen: EN 50104 (XXS O ₂) Toxic gases: EN 45544-1, EN 45544-2, EN 45544-3 (XXS H ₂ S LC, XXS CO LC, Dual IR CO ₂ Software: EN 50271	
	EAC cCSAus Measurement Performance:	Ex da ia I Ma, Ex da ia IIC T4 GaPO Ex da ia I Ma XOEx da ia IIC T4 Ga XClass I, Zone 0, AEx da ia IIC T4 GaClass II, Div 1, Gr. E, F, GC22.2 No. 152, ANSI-ISA 12.13.01:2000Explosion protection according ATEX:EN 60079-29-1 (CatEx 125 PR, CatEx 125PR Gas, Dual IR Ex, XXS H2 HC)Oxygen deficieny/excess oxygen:EN 50104 (XXS O2)Toxic gases:EN 45544-1, EN 45544-2, EN 45544-3(XXS H2S LC, XXS CO LC, Dual IR CO2Software: EN 502712014/34/EU (ATEX)	
	EAC cCSAus Measurement Performance:	Ex da ia I Ma, Ex da ia IIC T4 GaPO Ex da ia I Ma XOEx da ia IIC T4 Ga XClass I, Zone 0, AEx da ia IIC T4 GaClass II, Div 1, Gr. E, F, GC22.2 No. 152, ANSI-ISA 12.13.01:2000Explosion protection according ATEX:EN 60079-29-1 (CatEx 125 PR, CatEx 125PR Gas, Dual IR Ex, XXS H2 HC)Oxygen deficieny/excess oxygen:EN 45544-1, EN 45544-2, EN 45544-3(XXS H2 SC, XXS CO LC, Dual IR CO2Software: EN 502712014/30/EU (EMV)	
	EAC cCSAus Measurement Performance:	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR Gas, Dual IR Ex, XXS H2 HC) Oxygen deficieny/excess oxygen: EN 50104 (XXS O ₂) Toxic gases: EN 45544-1, EN 45544-2, EN 45544-3 (XXS H ₂ S LC, XXS CO LC, Dual IR CO ₂ Software: EN 50271 2014/34/EU (ATEX) 2014/30/EU (EMV) 2011/65/EU (RoHS)	
	EAC cCSAus Measurement Performance: Directives	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class I, Zone 0, AEx da ia IIC T4 Ga Class I, Joiv 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR, Gas, Dual IR Ex, XXS H2 HC) Oxygen deficieny/excess oxygen: EN 50104 (XXS O ₂) Toxic gases: EN 45544-1, EN 45544-2, EN 45544-3 (XXS H ₂ S LC, XXS CO LC, Dual IR CO ₂ Software: EN 50271 2014/30/EU (EMV) 2011/65/EU (RoHS) 2014/90/EU (MED)	
Manufaaturaa'a uusussiiti	EAC CCSAus Measurement Performance: Directives Marine Approval	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR Gas, Dual IR Ex, XXS H2 HC) Oxygen deficieny/excess oxygen: EN 50104 (XXS O ₂) Toxic gases: EN 45544-1, EN 45544-2, EN 45544-3 (XXS H ₂ S LC, XXS CO LC, Dual IR CO ₂ Software: EN 50271 2014/34/EU (ATEX) 2014/30/EU (EMV) 2011/65/EU (RoHS)	
Manufacturer´s warranty	EAC cCSAus Measurement Performance: Directives	Ex da ia I Ma, Ex da ia IIC T4 Ga PO Ex da ia I Ma X OEx da ia IIC T4 Ga X Class I, Zone 0, AEx da ia IIC T4 Ga Class I, Zone 0, AEx da ia IIC T4 Ga Class I, Jone 0, AEx da ia IIC T4 Ga Class II, Div 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000 Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR Gas, Dual IR Ex, XXS H2 HC) Oxygen deficieny/excess oxygen: EN 50104 (XXS O ₂) Toxic gases: EN 45544-1, EN 45544-2, EN 45544-3 (XXS H ₂ S LC, XXS CO LC, Dual IR CO ₂ Software: EN 50271 2014/30/EU (ATEX) 2014/30/EU (RoHS) 2014/90/EU (MED)	

Ordering Information

Dräger X-am [®] 8000		Order no	Order no.		
Dräger X-am [®] 8000		83 25 80	0		
consists of: Device with power s	supply (Lithi	um-ion battery), data	a logger, shoulder		
strap, manufacturer's certificate	, certificate	of calibration, and ch	narger (optional). A fully		
functioning device requires up t	o 5 sensors	and an optional inte	grated pump.		
Instruction for use included as a	standard in t	he following languag	jes:		
DE, EN, FR, ES, PT, IT, NL, RU	J, ZH, JA				
Instruction for use on request (p	please indica	ate when ordering),	also available in the	90 33 65	6
following languages: DA, FI, NO					
Technical handbook available in	the followin	ig languages: DE, E	N, FR, ES, RU	Available website.	to download from the product
Selectable device options when	ordering	Integrated pump v	with pump adapter		
		Bluetooth [®] modul	e		
		RFID transponder			
		(The charging cra	dle/power plug can be d	eselected du	ring the ordering process.)
Slot 1:		Slot 2:		Slots 3-5	
PID or IR sensor		IR or CatEx sense	or	Electroch	emical sensors (XXS format)
Sensors	Measurin	ig range	Resolution		Order no.
Cat-Ex 125 PR ^{1, 2}	0–100 %	LEL	1 % LEL		68 12 950
	0–100 vo	ol% CH ₄			
Cat-Ex 125 PR Gas ¹	0–100 %	LEL	1 % LEL		68 13 080
	0–100 vo	ol% CH ₄			
Dual IR Ex/CO ₂ ¹	0–100 %	LEL	1 % LEL		68 11 960
	0–100 vo	ol% CH ₄	0.2 vol%		
	0-5 vol%	CO ₂	0.01 vol% CO ₂ or		
			50 ppm CO ₂		
IR Ex ¹	0–100 %	LEL	1 % LEL		68 12 180
	0–100 vo	ol% CH ₄	0.2 vol%		
IR CO ₂	0-5 vol%	CO ₂	0.01 vol% CO ₂ or		68 12 190
			50 ppm CO ₂		
DrägerSensor PID LC ppb	0.05-10	ppm Isobutene	depending on gas v	alue,	68 13 500
(10.6 eV)	0–5 ppm	Benzene	starting with 10 ppb		
DrägerSensor PID HC	0-2,000	ppm Isobutene	depending on gas v	alue,	68 13 475
(10.6 eV)	0-1,000	ppm Benzene	starting with 0.1 pp	n	
DrägerSensor [®] XXS O ₂ ²	0-25 vol	%	0.1 vol%		68 10 881
DrägerSensor [®] XXS O ₂ 100	0-100 vo	ol%	0.5 vol%		68 12 385
DrägerSensor [®] XXS O ₂ /H ₂ S	0–25 vol	% O ₂	0.1 vol%		68 14 137
LC	100 ppm	H ₂ S	0.1 ppm		
DrägerSensor [®] XXS CO LC ²	0-2,000	ppm	1 ppm		68 13 210
DrägerSensor [®] XXS CO HC	0-10,00	0 ppm	5 ppm		68 12 010
DrägerSensor [®] XXS CO / H ₂	0-2,000	ppm CO	2 ppm		68 11 950
compensated					
DrägerSensor [®] XXS H ₂ S LC ²	0–100 p	pm	0.1 ppm		68 11 525
DrägerSensor [®] XXS H ₂ S HC	0-1,000	ppm	2 ppm		68 12 015
DrägerSensor [®] XXS CO LC /	0-2,000	ppm CO/	1 ppm CO		68 13 280
H ₂ S LC	0–100 p	••	0.1 ppm H ₂ S		
DrägerSensor [®] XXS CO LC /	0-2,000	ppm CO/	1 ppm CO		68 13 275
O ₂	0–25 vol	••	1 vol% O ₂		
DrägerSensor [®] XXS NO	0–200 p				68 11 545
	P	I	<u> </u>		

DrägerSensor [®] XXS NO ₂	0–50 ppm	0.1 ppm	68 10 884
DrägerSensor® XXS NO ₂ LC	0–50 ppm	0.02 ppm	68 12 600
DrägerSensor [®] XXS SO ₂	0–100 ppm	0.1 ppm	68 10 885
DrägerSensor [®] XXS PH ₃	0–20 ppm	0.01 ppm	68 10 886
DrägerSensor [®] XXS PH ₃ HC	0-2,000 ppm	1 ppm	68 12 020
DrägerSensor [®] XXS HCN	0–50 ppm	0.1 ppm	68 10 887
DrägerSensor [®] XXS HCN PC	0–50 ppm	0.5 ppm	68 13 165
DrägerSensor [®] XXS NH ₃	0–300 ppm	1 ppm	68 10 888
DrägerSensor [®] XXS CO ₂	0-5 vol%	0.1 vol%	68 10 889
DrägerSensor [®] XXS Cl ₂	0–20 ppm	0.05 ppm	68 10 890
DrägerSensor [®] XXS H ₂	0-2,000 ppm	5 ppm	68 12 370
DrägerSensor [®] XXS H ₂ HC	0-4 vol%	0.01 vol%	68 12 025
DrägerSensor [®] XXS OV	0–200 ppm	0.5 ppm	68 11 530
DrägerSensor [®] XXS OV-A	0–200 ppm	1 ppm	68 11 535
DrägerSensor [®] XXS Amine	0–100 ppm	1 ppm	68 12 545
DrägerSensor [®] XXS Odorant	0–40 ppm	0.5 ppm	68 12 535
DrägerSensor [®] XXS COCl ₂	0–10 ppm	0.01 ppm	68 12 005
DrägerSensor [®] XXS Ozone	0–10 ppm	0.01 ppm	68 11 540
Sensors with five-year			
guarantee (recommended)			

guarantee (recommended)				
DrägerSensor [®] XXS E CO	0-2,000 ppm	2 ppm	68 12 212	
DrägerSensor [®] XXS E H ₂ S	0–200 ppm	1 ppm	68 12 213	
DrägerSensor [®] XXS E O ₂	0–25 vol%	0.1 vol%	68 12 211	

¹ Special calibrations possible for the Ex sensors (Standard: methane)

² A three-year manufacturer's warranty applies to these sensors. Legal rights accruing from defects remain unaffected.

Power supply	y unit
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Power supply unit		
Energy supply (incl. back housing)	included as standard	83 26 817
Charging accessories		
Inductive charger for charging 1 device	included as standard, deselectable	83 25 825
Adapter for power plug		83 25 736
Power plug for charging 1 device	included as standard, deselectable	83 16 997
Power plug 100-240 VAC; 1.33 A, for	requires adapter (83 25 736)	83 21 849
charging up to 5 devices		
Power plug 100-240 VAC; 6.25 A, for	requires adapter (83 25 736)	83 21 850
charging up to 20 devices		
Vehicle connector cable 12/24 V for		45 30 057
charging 1 device		
Vehicle connector cable 12/24 V DC for	requires adapter (83 25 736)	83 21 855
charging up to 5 devices		
Vehicle mount	requires adapter for power plug (83 25	83 27 636
	736) and vehicle connector cable	
	12/24 V DC (83 21 855)	
Kit vehicle charger	with power supply (83 21 855), adapter	83 28 283
	(83 25 736) and mounting kit (83 27 636)	
	- w/o inductive power unit	
Pump accessories		
Dust and water filter for pump inlet	included in device when pump option is	83 19 364
	selected	

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Test gasesPlease contact Dräger.Accessories for measured value acquisition and configuration	X-am [®] 8000) with Master		
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acquisition and configurationFreeware (www.draeger.com/software)Dräger CC VisionFreeware (www.draeger.com/software)Dräger GasVision Licence Key83 25 646USB Dira Dongle / IR interface83 17 409Holder for USB Dira Dongle83 25 859Other accessoriesProtective rubber boot, removable83 25 858Leather case for the device83 27 664	Test gases		Please contact Dräger.
Dräger CC VisionFreeware (www.draeger.com/software)Dräger GasVision Licence Key83 25 646USB Dira Dongle / IR interface83 17 409Holder for USB Dira Dongle83 25 859Other accessories9Protective rubber boot, removable83 25 858Leather case for the device83 27 664			
Dräger GasVision Licence Key83 25 646USB Dira Dongle / IR interface83 17 409Holder for USB Dira Dongle83 25 859Other accessories83 25 858Protective rubber boot, removable83 25 858Leather case for the device83 27 664			Freeware (www.draeger.com/software)
USB Dira Dongle / IR interface 83 17 409 Holder for USB Dira Dongle 83 25 859 Other accessories Protective rubber boot, removable 83 25 858 Leather case for the device 83 27 664			
Holder for USB Dira Dongle83 25 859Other accessories83 25 859Protective rubber boot, removable83 25 858Leather case for the device83 27 664			83 17 409
Protective rubber boot, removable 83 25 858 Leather case for the device 83 27 664			83 25 859
Leather case for the device 83 27 664	Other accessories		
	Protective rubber boot, removable		83 25 858
Transport case (empty) 83 27 661	Leather case for the device		83 27 664
	Transport case (empty)		83 27 661

Protective Display cover (set of 3)		83 26 828
Shoulder strap (complete)	(included as standard)	83 26 823
Retractable lenyard		83 23 032
Holder for labels (on strap)	(included as standard)	83 26 824
Adhesive label for individual inscriptions,		83 27 645
for holder on strap, silver (set of 5)		
Adhesive label, blue (set of 5)		83 27 646
Adhesive label, red (set of 5)		83 27 647
Adhesive label, green (set of 5)		83 27 648
Adhesive label, yellow (set of 5)		83 27 649
Pedestal for holding device upright, e.g.		83 25 874
for area monitoring		
Transponder reader for reading the		65 59 283
integrated RFID transponder (optional)		

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