

Dräger X-am[®] 5100 Single-Gas Detection Device

For manufacturing petrochemical products, aseptic packing, or handling of rocket fuel: the Dräger X-am[®] 5100 portable single-gas detector guarantees 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

D-31714-2011



Special device design with direct gas access

- Quick response of the sensors

Large display

- All values at a glance

Benefits

Your advantages at a glance

- Continuous, precise and reliable measurement
- A special device design with direct gas entry guarantees fast sensor response and precise measurement data by preventing gas adsorption on the device housing
- Lightweight and robust
- Slip-proof and compact design
- Triple alarm: visual (360°), audible (multi-tone), vibration
- Easy to use: two-button operation and user-friendly menus
- Highly resistant to impacts, vibrations and electromagnetic radiation
- Can be operated using replaceable alkaline batteries or a T4 NiMH rechargeable battery, which can be charged right in the device

System components



D-12175-2010

DrägerSensor XS

DrägerSensors XS are ahead of the field thanks to their high reliability and warranty periods of up to 5 years. Dräger's smart technology allows simple sensor installation and switching using the plug-and-play technology.

System components



D-4946-2014

Dräger X-zone® 5500

State-of-the-art area monitoring – the Dräger X-zone® 5500 in combination with the Dräger X-am® 5000, 5100 or 5600 gas detection instruments can be used for the measurement of up to six gases and extends the portable gas detection technology to a unique system with many applications.

Accessories



D-30746-2015

Dräger Configuration and Evaluation Software

Save measurement results, professionally configure gas detection instruments and viewing performance data – all that is possible with the tailor-made Dräger software.



ST-5080-2005

Calibration gas and accessories

Calibration of equipment will ensure safe operation and functionality of equipment and will also meet with the applicable regulations and codes of practice. Various calibration options are available to provide this facility.

Accessories



D-12284-2009

Rechargeable battery and charging technology set



ST-15012-2008

Vehicle charger mounting kit for a Dräger X-am 1/2/5x00 charging module

Related Products



D-1328-2009

Dräger Pac® 3500

Fast and reliable, accurate and maintenance-free for up to two years: Dräger Pac® 3500 is ideal for the industrial personal monitoring of carbon monoxide, hydrogen sulphide or oxygen.

Related Products



D-537-2009

Dräger Pac® 5500

Longer assignments are its speciality: the single gas instrument, Dräger Pac® 5500, has no lifetime limitation, and is ideal for fast and accurate personal monitoring and the detection of carbon monoxide, hydrogen sulphide or oxygen.



SI-1758-2005

Dräger Pac® 7000

Safety at the workplace always takes priority: depending on the sensor selection, the single gas detector, Dräger Pac® 7000, provides a reliable warning against dangerous concentrations of 14 different gases. Unique: the optional 5-year warranty for the H₂S, O₂ and CO versions.

Technical Data

Dimensions (W × H × D)	48 × 130 × 61 mm; 1.89 × 5.12 × 2.4 inches	
Weight	220 – 250 g; 7.8 – 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
	Relative humidity	10 to 90 % RH
Alarms	Visual	360°
	Audible	Multi-tone > 90 dB at 30 cm; 1 ft.
	Vibration	
Ingress Protection	IP 54	
Operating times	~180 h (alkaline battery), ~150 h (NiMH rechargeable battery), or ~180 h (NiMH high capacity rechargeable battery)	
Charging times	< 4 h	
Data logger	Retrievable using an infrared interface > 1,000 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 us	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/EC	
	Explosion protection – Directive 94/9/EC	

Ordering Information

Dräger X-am® 5100

83 22 750

Consisting of: basic device with an integrated data logger, manufacturer's certificate and calibration certificate

A power pack and sensor are integral elements of a functioning device

Description	Measuring range	Resolution	Response time (t ₉₀)	Ordering no.
DrägerSensor XS EC HF/HCl	0 – 30 ppm	0.1 ppm	60 sec.*	68 09 140
DrägerSensor XS EC H ₂ O ₂	0 – 20 ppm	0.1 ppm	60 sec.	68 09 170
DrägerSensor XS EC Hydrazin	0 – 3 ppm	0.01 ppm	180 sec.	68 09 190

*Response time (t₉₀)

Power supply units

NiMH power pack T4 (~150 h operating time)	83 18 704
NiMH power pack T4 high capacity (~180 h operating time)	83 22 244
Alkaline power pack T3/T4 (without alkaline batteries)	83 22 237
Alkaline batteries T4 (2 pcs.) for alkaline power pack 83 22 237 (~180 h operating time)	83 22 239

Charging accessories

Charging module	83 18 639
Rechargeable battery and charging technology set	83 18 785

Ordering Information

Consisting of: NiMH power pack T4, charging module, single charger (worldwide) for 1 charging module

Rechargeable battery and charging technology set HC	83 22 785
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Consisting of: NiMH power pack T4 high capacity, charging module, single charger (worldwide) for 1 charging module

Charging kit consisting of a charging module and a single charger (worldwide)	83 20 333
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Vehicle charging connecting cable 12 V / 24 V for charging module	45 30 057
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Vehicle charger mounting kit for a Dräger X-am® 1/2/5x00 charging module	83 18 779
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Calibration accessories

Calibration adapter	68 06 291
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HCl test gas (10 ppm) for sensor 68 09 140	68 12 107
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HCl test gas (25 ppm) for sensor 68 09 140	68 12 115
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SO ₂ test gas (10 ppm) for sensor 68 09 170	68 10 645
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Accessories for measured value data logger and configuration

Dräger GasVision	83 14 034
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Dräger CC-Vision	64 08 515
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USB DIRA with USB cable, infrared communication adapter to USB	83 17 409
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CC-Vision/DIRA set contains the Dräger CC-Vision, USB cable, IR interface and DIRA adapter charging module X-am® 7000	83 18 761
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CC-Vision/DIRA professional set contains the Dräger CC-Vision, USB cable, IR interface, DIRA adapter charging module X-am® 7000 and barcode reader	83 18 762
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Notes

CORPORATE HEADQUARTERS

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