

Dräger X-am® 5100 Single-gas detector for HF, HCl, H₂O₂ or hydrazine

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



YOUR ADVANTAGES AT A GLANCE

- Continuous, precise and reliable measurement
- A special device design with direct gas entry provides 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



Dräger X-am® 5100

The dependable solution for measuring HF, HCl, H₂O₂ or hydrazine

TECHNICAL DATA

Dimensions (W x H x D)	48 x 130 x 61 mm; 1.89 x 5.12 x 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 1300 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	~150 h (alkaline battery), ~150 h (NiMH rechargeable battery), or ~180 h (NiMH high capacity rechargeable battery)	
Charging times	< 4 h	
Data logger	Retrieval 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
	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 Guideline 2004/108/EC Explosion protection – Guideline 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 (~150 h operating time)	83 22 239

Charging accessories

Charging module	83 18 639
Rechargeable battery and charging technology set	83 18 785
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
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
Vehicle charging connecting cable 12V/24V for charging module (90 degree connector)	45 52 324
Vehicle charger mounting kit for a Dräger X-am 1/2/5x00 charging module	83 18 779

Calibration accessories

Calibration adapter	68 06 291
HCl test gas (10 ppm) for sensor 68 09 140	68 12 107
HCl test gas (25 ppm) for sensor 68 09 140	68 12 115
SO ₂ test gas (10 ppm) for sensor 68 09 170	68 10 645

Accessories for measured value datalogger and configuration

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

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany

www.draeger.com

Manufacturer:

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany

CANADA

Draeger Safety Canada Ltd.
2425 Skymark Avenue, Unit 1
Mississauga, Ontario, L4W 4Y6
Tel +1 905 212 6600
Toll-free +1 877 Dräger 1
(+1 877 372 4371)
Fax +1 877 651 0902
Toll-free Fax +1 800 329 8823

MEXICO

Draeger Safety S.A. de C.V.
German Centre
Av. Santa Fe, 170 5-4-14
Col. Lomas de Santa Fe
01210 México D.F.
Tel +52 442 246-1113
Fax +52 442 246-1114

Customer Service
Tel 800 723 3891

REGION CENTRAL**AND SOUTH AMERICA**

Dräger Panama Comercial S. de R.L.
Complejo Business Park
V tower, 10th floor, Panama City
Tel +507 377-9100
Fax +507 377-9130
contactcsa@draeger.com

USA

Draeger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207

Customer Service
Tel 800 858 1737
Fax 800 922 5519

Technical Service
Tel 888 794 3806
Fax 888 794 3807



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