



# Dräger X-am<sup>®</sup> 5100

## Single-gas detector for HF, HCl, H<sub>2</sub>O<sub>2</sub> or hydrazine

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For manufacturing petrochemical products, pharmaceuticals, aseptic packing, or handling of rocket fuel: the Dräger X-am 5100 portable single-gas detector ensures safe handling of HF, HCl, H<sub>2</sub>O<sub>2</sub> or hydrazine – thanks to proven Dräger sensor technology and a device design which is perfectly customized to reactive gases.

# Benefits

## 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
- Operated using a T4 NiMH rechargeable battery.

# 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 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 (NiMH 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
	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	

# Ordering Information

## Dräger X-am 5100

83 22 750

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

Power supply and sensor selection must be specified at time of purchase.

Description	Measurement Range	Resolution	Response time (t <sub>90</sub> )	Ordering no.
DrägerSensor XS EC HF/HCl	0 – 30 ppm	0.1 ppm	60 sec.*	68 09 140
DrägerSensor XS EC H <sub>2</sub> O <sub>2</sub>	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 (t<sub>50</sub>)

## Power supply units

NiMH power pack T4 (~ 150 h operating time) 37 03 887

## Charging accessories

Charging module 83 18 639

Rechargeable battery and charging technology set  
Consisting of: NiMH power pack T4, charging module, single charger (worldwide) for 1 charging module 37 03 889

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 45 94 658

HCl test gas (25 ppm) for sensor 68 09 140 45 94 626

SO<sub>2</sub> test gas (10 ppm) for sensor 68 09 170 45 97 050

Stainless steel regulator 68 13 104

## Accessories for measured value datalogger and configuration

Dräger GasVision (license – software download available from Dräger software site) 83 14 034

Dräger CC-Vision (free download available from Dräger software site) freeware

USB DIRA with USB cable, infrared communication adapter to USB 83 17 409

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