

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	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 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 (t ₉₀)				
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

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