

Dräger X-am 5000



The smallest gas detection instrument for up to 5 gases. The Dräger X-am 5000 belongs to a new generation of gas detectors, developed especially for personal monitoring applications. This 1 to 5-gas detector reliably measures combustible gases and vapours as well as oxygen and harmful concentrations of CO, H₂S, CO₂, Cl₂, HCN, NH₃, NO₂, PH₃ and SO₂. A variety of special calibrations for the catalytic Ex sensor allow even more sensitivity when detecting specific combustible gases and vapours. Equipped with durable XXS sensor technology, the Dräger X-am 5000 offers maximum security and extremely low operational costs.



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Dräger X-am 5000:
the smallest gas detection instrument for 5 gases.

Ergonomic mobile phone design

Despite its advanced functionality, the Dräger X-am 5000's practical, mobile phone design and light weight make it comfortable for users to carry. Reduced to its essentials, the two button control panel and easy to follow menu system allow for intuitive use.

Durable electrochemical sensor technology

The longevity of the catalytic sensor and five year expected lifetime of the oxygen sensor are unique in the market. The Dräger X-am 5000 is equipped with the latest in the miniaturised XXS generation of high performance electrochemical DrägerSensors.

Flexible and adaptable sensor exchange

It is easy to exchange, upgrade or calibrate the sensors to other gases. The ability to customise the Dräger X-am 5000's sensors makes more applications possible, including rental equipment.

Innovate Ex sensor with full range functionality

The catalytic Ex sensor measures 0-100 % LEL and 0-100 Vol.-% methane concentration. The calibration concept simplifies a calibration to vapours. When set for maximum sensitivity, the detector is even more reliable to warn about unknown hazards.

Robust and water-tight

The Dräger X-am 5000 is tough: water and dust-resistant according to IP 67, the detector remains fully functional even after falling into water. The integrated rubber protection and shock-proof sensors ensure additional resistance to impact and vibration. Moreover, the Dräger X-am 5000 is insensitive to electromagnetic interference.

External pump

The optional external pump, which operates with a flexible hose up to 20 M long, makes it possible to use the detector for pre-entry measurements for tanks, shafts, etc. The pump starts automatically when the detector is inserted.

Optimum solutions for function (bump) tests and calibrations

Simple, fast and professional: from a function (bump) test to complete documentation, users can choose from a range of practical, on-site solutions that offer maximum safety for every application. The Dräger E-Cal automatic test and calibration station and the Dräger Bump Test Station are ideal system extensions that save time and reduce workload.

Calibration options

Fresh air, mixed gas and single gas calibrations can be done directly using the Dräger X-am 5000 menu.

Flexible power supply

The Dräger X-am 5000 can be used with either the standard alkaline or rechargeable NiMH batteries. In addition, it can be fitted with a T4 battery that can be charged while still inside the instrument.

Secure gas entry:

Gas entry from two sides.

Visual alarm:

180° alarm.

DrägerSensors:

Fast, accurate and durable.

Retro reflectors:

Easy to find in the dark or in water.

Large display:

All readings at a glance.



ST-1639-2007

ORDERING INFORMATION

Dräger X-am 5000, basic instrument	83 20 000
Without power supply unit, with data logger, with manufacturer's and calibration certificates.	
A functional instrument includes a power supply unit and up to 4 sensors.	
Alkaline power supply with AA batteries (2 pc.)	83 18 703
Rechargeable NiMH power supply unit T4	83 18 704
Additional power supply units	
Battery charging set, consisting of: NiMH power supply unit T4 with charger module and connection cable (for worldwide use) for one charger module	83 18 785
Alkaline batteries (2 pc.) for alkaline power supply 83 18 703	83 18 708
NiMH batteries T3 for power supply unit 83 18 703, external charging (2 pc. necessary)	83 19 426

Sensors (choose between 1-4 sensors)

CatEx 125	68 11 050
DrägerSensor XXS O ₂	68 10 881
DrägerSensor XXS CO	68 10 882
DrägerSensor XXS H ₂ S	68 10 883
DrägerSensor XXS NO ₂	68 10 884
DrägerSensor XXS SO ₂	68 10 885
DrägerSensor XXS PH ₃	68 10 886
DrägerSensor XXS HCN	68 10 887
DrägerSensor XXS NH ₃	68 10 888
DrägerSensor XXS CO ₂	68 10 889
DrägerSensor XXS Cl ₂	68 10 890
DrägerSensor XXS OV	68 11 530
DrägerSensor XXS OV-A	68 11 535
DrägerSensor XXS H ₂ S LC (for low concentrations)	68 11 525
DrägerSensor XXS CO/H ₂ S	68 11 410

Special calibration for Ex sensors are available (standard setting: methane)

Charging accessories

Charger module	83 18 639
Power pack with connection cable (for worldwide use) for up to 20 charger modules	83 15 805
Power supply (for worldwide use) for up to 5 charger modules	83 16 994
Power supply (for worldwide use) for up to 2 charger modules	83 15 635
12V/24V vehicle connection cable for charger module	83 17 754
Vehicle holder for 1 charger module	83 18 779

Pump accessories

Dräger X-am 1/2/5000 external pump	83 19 400
Hand pump adapter	83 19 195
Confined Space Entry set for Dräger X-am 1/2/5000 Pump	83 19 399
Case with pump and 3 M viton hose	
Case for Dräger X-am 1/2/5000 Pump	83 19 385
Leather carrying case for Dräger X-am 1/2/5000 Pump	83 19 380
Filter set for Dräger X-am 1/2/5000 Pump	83 19 364

Calibration accessories

Calibration cradle for Dräger X-am 1/2/5000	83 18 752
Dräger X-am 1/2/5000 E-Cal module	83 18 754
Dräger X-am 1/2/5000 connection cable for E-Cal	83 15 635
Dräger Bump Test Station Dräger X-am 1/2/5000 without gas cylinder	83 19 131
Dräger Bump Test Station Dräger X-am 1/2/5000, complete	83 19 130

With choice of 58 L test gas cylinder (please note when ordering):

- 15 ppm H ₂ S, 50 ppm CO, 2.5 Vol.- % CH ₄ , 18 Vol.- % O ₂	68 11 130
- 15 ppm H ₂ S, 50 ppm CO, 0.45 Vol.- % C ₅ H ₁₂ , 18 Vol.- % O ₂	68 11 835
- 50 ppm CO, 2 Vol.- % CO ₂ , 2.5 Vol.- % CH ₄ , 18 Vol.- % O ₂	68 11 905
- 0.9 Vol.- % C ₃ H ₈ /air	68 11 118

Printer set for Dräger Bump Test Station Dräger X-am 1/2/5000 consisting of printer, connection cable, NiMH batteries, USB cable, positioning assistance, CC-Vision	83 21 011
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Accessories for recording measured values and configuration

Dräger GasVision	83 14 034
Dräger CC-Vision	64 08 515
USB DIRA with USB cable	83 17 409
PC communication set 1 Dräger X-am 1/2/5000 with USB cable, Dräger CC-Vision	83 18 761
PC communication set 2 Dräger X-am 1/2/5000 with USB cable, Dräger CC-Vision and barcode reader	83 18 762

Carrying cases

Leather carrying case	83 18 755
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Dräger X-am 5000:
Robust and water-tight.



Dräger X-am 5000:
Small and ergonomic.

TECHNICAL DATA

Dimensions (W x H x D)	47 x 129 x 31 mm (1.85" x 5.08" x 1.22")	
Weight	approx. 220 g, (7.8 oz.)	
Ambient conditions	Temperature	-20 to +50 °C, -4 to +122 °F
	Pressure	700 to 1300 mbar, 20.7 to 38.4 inch Hg
	Humidity	10 to 95% RH
Alarms	Visual	180°
	Audible	Multi-tone >90 dB at 30 cm, 1 ft.
	Vibration	
Battery options	Alkaline, rechargeable NiMH cells for alkaline pack, T4 battery pack	
Operating times	> 12 hours, with pulsed mode > 40 hours	
Charging times	< 4 hours	
Data logger	Can be read out via infrared approx. 1000 hours with 5 gases and a recording interval of 1 reading per minute	
Pump operation	maximum hose length 20 M, 65.6 ft.	
Approvals	ATEX	I M1 Ex ia I
		II 1G Ex ia IIC T3
		I M2 Ex d ia I
		II 2G Ex d ia IIC T4/T3
	UL	Class I & II, Div. 1 Group A, B, C, D, E, F, G T.-Code T4/T3
	CSA	pending
	IECEX	Ex ia I
		Ex ia IIC T3
		Ex d ia I
		Ex d ia IIC T4/T3
CE mark	Electromagnetic compatibility (directive 89/336/EWG)	
RoHS	Directive 2002/95/EC	



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