

Dräger X-am[®] 5000

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 vapors as well as O₂ and harmful concentrations of Cl₂, CO, CO₂, H₂, H₂S, HCN, NH₃, NO, NO₂, PH₃, SO₂ and organic vapors.



ERGONOMIC MOBILE PHONE DESIGN

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

DURABLE SENSOR TECHNOLOGY

Equipped with durable XXS sensor technology, the Dräger X-am 5000 offers maximum security at extremely low operational costs. The longevity of the catalytic sensor and an optional five-year warranty for the oxygen, hydrogen sulfide and carbon monoxide sensors are unique to the market.

FLEXIBLE SENSOR EXCHANGE

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

INNOVATE EX SENSOR

The catalytic Ex sensor measures 0-100 % LEL and 0-100 Vol.-% methane concentration. The calibration concept simplifies a calibration to vapors. When set for maximum sensitivity, the detector is even more reliable when warning 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 hose up to 20 meters long, makes it possible to use the detector for pre-entry measurements into confined spaces such as tanks, shafts, etc. The pump starts automatically when the detector is inserted.



ST-9468-2007

Dräger X-am 5000
Smallest gas detector for up to 5 gases with advanced functionality.

OPTIMUM SOLUTIONS FOR FUNCTION OR BUMP TESTS AND CALIBRATIONS

Simple, fast and professional: from a function or 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.

An optional Save Energy Mode makes it possible to increase the operating time of Dräger X-am 5000 to 48 hours. This is done by selecting a measurement interval of either 1 second (the standard), 10 or 20 seconds for the CatEx sensor.



Dräger X-am 5000
Robust and water-tight



Dräger X-am 5000
Optional external pump for clearance measurements

ORDERING INFORMATION

Dräger X-am 5000

Consisting of: basic instrument with an integrated data logger and manufacturer's and calibration certificates.
A functional instrument must include up to 4 sensors and a power supply unit.

83 20 000

Description	Measuring range	Resolution	Response time (t_{90})	Order code
CatEx 125 ¹⁾	0 - 100 % LEL	1 % LEL	8 sec.	68 11 050
CatEx 125 Mining ¹⁾	0 - 100 % LEL	1 % LEL	8 sec.	68 11 970
DrägerSensor XXS O ₂	0 - 25 Vol.-%	0.1 Vol.-%	10 sec.	68 10 881
DrägerSensor XXS CO	0 - 2,000 ppm	1 ppm	25 sec.	68 10 882
DrägerSensor XXS CO HC	0 - 10,000 ppm	5 ppm	25 sec.	68 12 010
DrägerSensor XXS CO/H ₂ compensated	0 - 2,000 ppm CO	2 ppm	25 sec.	68 11 950
DrägerSensor XXS H ₂ S	0 - 100 ppm	1 ppm	15 sec.	68 10 883
DrägerSensor XXS H ₂ S LC	0 - 100 ppm	0.1 ppm	15 sec.	68 11 525
DrägerSensor XXS H ₂ S HC	0 - 1,000 ppm	2 ppm	15 sec.	68 12 015

¹⁾ Special calibration for Ex sensors are available (standard setting: Methane)

ORDERING INFORMATION

Description	Measuring range	Resolution	Response time (t ₉₀)	Order code
DrägerSensor XXS CO/H ₂ S	0 - 2,000 ppm CO / 0 - 200 ppm H ₂ S	1 ppm H ₂ S / 2 ppm CO	10 sec.	68 11 410
DrägerSensor XXS NO	0 - 200 ppm	0.5 ppm	20 sec.	68 11 545
DrägerSensor XXS NO ₂	0 - 50 ppm	0.1 ppm	15 sec.	68 10 884
DrägerSensor XXS SO ₂	0 - 50 ppm	0.1 ppm	15 sec.	68 10 885
DrägerSensor XXS PH ₃	0 - 20 ppm	0.01 ppm	10 sec.	68 10 886
DrägerSensor XXS PH ₃ HC	0 - 1,000 ppm	1 ppm	10 sec.	68 12 020
DrägerSensor XXS HCN	0 - 50 ppm	0.1 ppm	10 sec.	68 10 887
DrägerSensor XXS NH ₃	0 - 300 ppm	1 ppm	20 sec.	68 10 888
DrägerSensor XXS CO ₂	0 - 5 Vol.-%	0.1 Vol.-%	30 sec.	68 10 889
DrägerSensor XXS Cl ₂	0 - 10 ppm	0.05 ppm	30 sec.	68 10 890
DrägerSensor XXS H ₂	0 - 2,000 ppm	5 ppm	20 sec.	68 12 370
DrägerSensor XXS H ₂ HC	0 - 4 Vol.-%	0.01 Vol.-%	20 sec.	68 12 025
DrägerSensor XXS OV	0 - 200 ppm	0.5 ppm	100 sec.	68 11 530
DrägerSensor XXS OV-A	0 - 200 ppm	1 ppm	100 sec.	68 11 535
Sensors with a 5 year warranty				
DrägerSensor XXS E CO	0 - 2,000 ppm	1 ppm	25 sec.	68 12 211
DrägerSensor XXS E H ₂ S	0 - 200 ppm	1 ppm	15 sec.	68 12 212
DrägerSensor XXS E O ₂	0 - 25 Vol.-%	0.1 Vol.-%	10 sec.	68 12 213
Power supply units				
NiMH power pack T4				83 18 704
Power pack & charging set				83 18 785
Consisting of: rechargeable NiMH power supply T4, charging module and a single charger (for worldwide use).				
Alkaline power pack T3/T4 (without alkaline batteries)				83 18 703
Alkaline batteries T4 (2 pc.) for alkaline power supply 83 18 703				83 18 708
NiMH rechargeable batteries T3 for alkaline power supply unit 83 18 703, charged externally				83 19 426
Charging accessories				
Charging module				83 18 639
Charging set basic consisting of one charging module and a single power supply (worldwide use)				83 20 333
Power supply with connection cable (worldwide use) for max. 20 charging modules				83 15 805
Single charger (worldwide use) for max. 5 charging modules				83 16 994
Single charger (worldwide use) for max. 2 charging modules				83 15 635
Car charging connection cable 12 / 24 V for a charging module				83 17 754
Vehicle charger mounting kit for one car charging module				83 18 779
Pump accessories				
Dräger X-am 5000 external pump				83 19 400
Hand pump adapter				83 19 195
Confined space entry set, with an external pump and 3 m Viton hose				83 19 399
Carrying case Dräger X-am 5000 external pump				83 19 385
Communication accessories				
Dräger GasVision				83 14 034
Dräger CC-Vision				64 08 515
USB DIRA with USB cable, communication adapter infrared to USB				83 17 409
PC communication set 1 with USB port, Dräger CC-Vision incl. registration software				83 18 761
PC communication set 2 with USB port, Dräger CC-Vision incl. registration software and barcode reader				83 18 762
Calibration accessories				
Calibration cradle				83 18 752
Dräger E-Cal module for Dräger X-am 5000				83 18 754
Dräger Bump Test Station for Dräger X-am 5000, not including gas cylinder				83 19 131
Dräger Bump Test Station for Dräger X-am 5000, complete with one test gas cylinder 58L (gases and concentration variable)				83 19 130
Printer set for Dräger Bump Test Station consisting of: Dräger Mobile Printer, single charger, rechargeable NiMH batteries, USB connection cable, positioning aid, Dräger CC-Vision standard				83 21 011
Nonane Checker				83 20 080
Cases				
Leather carrying case				83 18 755
Carrying case for charging accessories, probes, external pump, hose and gas cylinder (without content)				83 20 467

TECHNICAL DATA

Dimensions (W x H x D)	48 x 130 x 44 mm; 1.89 x 5.12 x 1.73 in.	
Weight	250 g; 8.8 oz.	
Ambient conditions	Temperature	-20 - 50 °C; -4 - 122 °F
	Pressure	700 - 1300 hPa
	Humidity	10 - 95% r.h.
Alarms	Visual	360°
	Audible	Multi-tone >90 dB at 30 cm
	Vibrating	
Ingress Protection	IP 67	
Operating time	> 12 hours; when using the Save Energy Mode > 40 hours	
Charging time	< 4 hours	
Data logger	Can be read out via Infrared > 1,000 hours with 5 sensors and a recording interval of 1 value per minute	
Pump operation	Maximum hose length 20 m; 66 ft.	
Approvals	ATEX	I M1 Ex ia I
		II 1G Ex ia IIC T3 (Zone 0)
		I M2 Ex d ia I
		II 2G Ex d ia IIC T4/T3
		Measurement performance certificate according to: EN 61779-1 + 4 (for the CatEx sensors from methane to nonane) EN 45544-1 + 2 (for CO and H ₂ S) EN 50104 (for O ₂) EN 50271 (software)
	UL	Class I & II, Div. 1 Group A, B, C, D, E, F, G T.-Code T4/T3
	CSA	Class I, Div. 1 Group A, B, C, D
	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/EEC)	
MED	Marine Equipment Directive 96/98/EC	

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