Dräger X-am® 5600

Featuring an ergonomic design and innovative infrared sensor technology, the Dräger X-am® 5600 is the smallest gas detection instrument for the measurement of up to 6 gases. Ideal for personal monitoring applications, this robust and water-tight detector provides accurate, reliable measurements of explosive, combustible and toxic gases and vapors as well as oxygen.

SMALL YET ROBUST

Small, light and easy to use - the robust and water-tight Dräger X-am 5600 is designed for single-handed operation in tough industrial environments. Water- and dustproof according to IP 67 and with an integrated rubber boot, the device provides optimal functionality even under harsh conditions.

DURABLE INFRARED TECHNOLOGY

Thanks to the high stability and a resistance to contamination, Dräger infrared sensors can generally be used for up to eight years. This advanced technology reduces the cost of ownership considerably because less replacement sensors are needed. In addition, a sensor calibration is only necessary every 12 months which reduces maintenance costs.

SINGLE OR DUAL SENSOR – ACCURATE MEASUREMENT RESULTS

The new Dräger infrared sensors can be used for the measurement of explosive substances or CO_2: The infrared sensor IR Ex allows the measurement of explosive, combustible hydrocarbons in the range of the lower explosive limit. With this sensor, measurements in the range of 0-100 Vol.-% for methane, propane and ethylene are also possible. The infrared sensor IR CO_2, with a measurement resolution of 0.01 Vol.-%, provides safe and exact measurements as well as a warning against toxic concentrations of carbon dioxide in the ambient air. For those applications where the reliable measurement of explosive substances and CO_2 is specifically needed, the advantages of both can be achieved by a dual sensor (Dual IR CO_2/Ex).

ALSO IN COMBINATION WITH HYDROGEN

Besides hydrocarbons, hydrogen can also be an explosive gas. Because sensors based on infrared technology do not warn against hydrogen explosion dangers, the Dräger X-am 5600 combines two sensor signals (Infrared Ex and electrochemical H_2) for reliable hydrogen detection. The X-am 5600 provides the advantages of poison-free technology to be used in areas where, until now, only catalytic Ex sensors have been used.

VARIOUS MONITORING POSSIBILITIES

Thanks to the combination of innovative infrared technology and the latest electro-chemical Dräger XXS miniature sensors, this 1-to-6 gas detector reliably detects explosive, combustible and harmful concentrations of O_2, Cl_2, CO, CO_2, H_2, H_2S, HCN, NH_3, NO, NO_2, PH_3, SO_2, Amine, Odorant, $COCl_2$ and organic vapors. With the PC software

Dräger X-am® 5600
Small, light and tough for single-handed detection of up to 6 gases.

Dräger CC-Vision, the sensors can easily be exchanged, calibrated orconverted to meet the needs of different applications.

FLEXIBLE USE

This small gas detection instrument is perfectly suited as a personal monitor. The simple two-button control panel allows for the intuitive use of the device. The gas inlets – on the upper and front side – provide optimal measurement accuracy even if they are inadvertently placed in a pocket or a gas inlet is covered.

An optional external pump which can be operated with hoses up to 20 m or 65 ft. in length is the perfect solution for pre-entry measurements in tanks or pipelines. To monitor entire areas, the Dräger X-am 5600 can be used in combination with the innovative Dräger X-zone 5000.

SUITABLE FOR EX ZONE 0

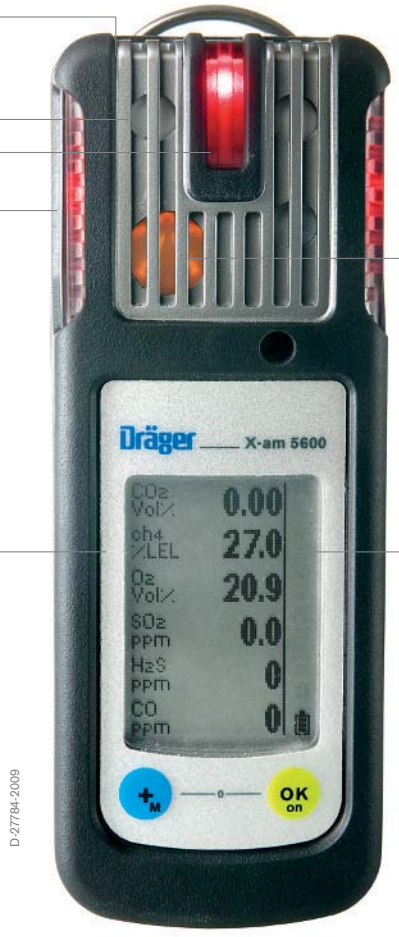
The small and reliable gas detector is suitable for use in areas classified as zone 0, which are areas where explosive atmospheres are always to be expected.

SIMPLE SOLUTION FOR BUMP TESTS

Simple, quick, and professional: From bump testing to complete documentation, users can choose from a range of practical, on-site solutions for optimal safety in every application. Both the Dräger E-Cal automatic test and calibration station and the Dräger Bump Test Station are ideal system extensions that save costs and time.

Safe gas inlet:
Gas entry from two sides.

Visual alarm:
360° visible alarm.



DrägerSensors:
Fast, accurate and durable.
A visual life signal indicates the continuous operation of the infrared sensor.

Retro reflectors:
Easy to find in the dark or in water.

Large display:
All readings at a glance.

ORDER INFORMATION

Dräger X-am 5600				**83 21 050**
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.				
Infrared-Sensors	**Measuring Range**	**Resolution**	**Response time (t_{90})**	**Order code**
DrägerSensor Dual IR Ex/CO_2[1)]	0 – 100 % LEL 0 – 100 Vol.-% Methane, Propane, Ethylene 0 – 5 Vol.-% CO_2	1 % LEL 0.1 Vol.-% CH_4 0.01 Vol.-% CO_2	20 sec.	68 11 960
DrägerSensor IR Ex[1)]	0 – 100 % LEL 0 – 100 Vol.-% Methane, Propane, Ethylene	1 % LEL 0.1 Vol.-% CH_4	20 sec.	68 12 180
DrägerSensor IR CO_2	0 – 5 Vol.-% CO_2	0.01 Vol.-% CO_2	20 sec.	68 12 190
Electrochemical Sensors				
DrägerSensor XXS O_2	0 – 25 Vol.-%	0.1 Vol.-%	10 sec.	68 10 881
DrägerSensor XXS CO	0 – 2,000 ppm	2 ppm	15 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_2S	0 – 200 ppm	1 ppm	15 sec.	68 10 883
DrägerSensor XXS H_2S LC	0 – 100 ppm	0.1 ppm	15 sec.	68 11 525
DrägerSensor XXS H_2S HC	0 – 1,000 ppm	2 ppm	15 sec.	68 12 015
DrägerSensor XXS CO/H_2S	0 – 2,000 ppm CO / 0 – 200 ppm H_2S	1 ppm H_2S / 2 ppm CO	20 sec.	68 11 410
DrägerSensor XXS NO	0 – 200 ppm	0.1 ppm	10 sec.	68 11 545
DrägerSensor XXS NO_2	0 – 50 ppm	0.1 ppm	15 sec.	68 10 884
DrägerSensor XXS SO_2	0 – 100 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 – 2,000 ppm	1 ppm	10 sec.	68 12 020
DrägerSensor XXS HCN	0 – 50 ppm	0.1 ppm	10 sec. (t_{50})	68 10 887
DrägerSensor XXS NH_3	0 – 300 ppm	1 ppm	20 sec. (t_{50})	68 10 888
DrägerSensor XXS CO_2	0 – 5 Vol.-%	0.1 Vol.-%	30 sec. (t_{50})	68 10 889
DrägerSensor XXS Cl_2	0 – 20 ppm	0.05 ppm	30 sec.	68 10 890
DrägerSensor XXS H_2	0 – 2,000 ppm	5 ppm	10 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	20 sec. (t_{50})	68 11 530
DrägerSensor XXS OV-A	0 – 200 ppm	1 ppm	40 sec. (t_{50})	68 11 535
DrägerSensor XXS Amine	0 – 100 ppm	1 ppm	30 sec.	68 12 545
DrägerSensor XXS Odorant	0 – 40 ppm	0.5 ppm	90 sec.	68 12 535
DrägerSensor XXS $COCl_2$	0 – 10 ppm	0.01 ppm	30 sec.	68 12 005
Electrochemical Sensors with 5 years warranty				
DrägerSensor XXS E CO	0 – 2,000 ppm	2 ppm	15 sec.	68 12 212
DrägerSensor XXS E H_2S	0 – 200 ppm	1 ppm	15 sec.	68 12 213
DrägerSensor XXS E O_2	0 – 25 Vol.-%	0.1 Vol.-%	10 sec.	68 12 211

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

Power supply units	
NiMH power pack T4	83 18 704
Power pack & charging set consisting of: rechargeable NiMH power supply T4, charging module and a single charger (for worldwide use)	83 18 785
Alkaline power pack T3/T4 (without alkaline batteries)	83 18 703
Alkaline batteries T4 (2 pcs.) 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 charger modules	83 16 994
Single charger (worldwide use) for max. 2 charger modules	83 15 635
Car charging connection cabel 12V/24 V for a charging module	83 17 754
Vehicle charger mounting kit for one Dräger X-am 5600 charging module	83 18 779
Pump accessories	
Dräger X-am 5600 external pump	83 19 400
Hand pump adapter	83 19 195
Confined space entry set, with an external pump and 3 m or 9 ft. viton hose	83 19 399
Carrying case Dräger X-am 5600 external pump	83 19 385

Calibration accessories	
Calibration cradle	83 18 752
Dräger E-Cal module for Dräger X-am 5600	83 18 754
Dräger Bump Test Station for Dräger X-am 5600, not including gas cylinder	83 19 131
Dräger Bump Test Station for Dräger X-am 5600, complete with one test gas cylinder 58L (gas and concentration variable)	83 19 130
Printerset for Dräger Bump Test Station consisting of: Dräger Mobile Printer, single charger, rechargeable NiMH batteries, USB connection cable, positioning aid	83 21 011
Nonane Checker	83 20 080

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

TECHNICAL DATA

Dimensions (W x H x D)	47 x 130 x 44 mm; 1.85 x 5.12 x 1.73 inches	
Weight	250 g; 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
	Humidity	10 to 95% RH
Alarms	Visual	360°
	Audible	Multi-tone > 90 dB at 30 cm; 1 ft.
	Vibration	
Ingress Protection	IP 67	
Operating time	> 10 hours	
Charging time	< 4 hours	
Data logger	Can be read out via Infrared > 1000 hours with 6 gases and a recording interval of 1 value per minute	
Pump operation	Maximum hose length 20 m; 65 ft.	
Approvals	ATEX	I M1 Ex ia I
		II 1G Ex ia IIC T4/T3 (Zone 0)
	IEC	Ma Ex ia I
		Ga Ex ia IIC T4/T3