

Dräger X-am® 5600

Featuring an ergonomic, mobile phone 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 dust-proof 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 CO₂: 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 CO₂, 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 CO₂ is specifically needed, the advantages of both can be achieved by a dual sensor (Dual IR CO₂/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 H₂) 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 electrochemical Dräger XXS miniature sensors, this 1-to-6 gas detector reliably detects explosive, combustible and harmful concentrations of O₂, Cl₂, CO, CO₂, H₂, H₂S, HCN, NH₃, NO, NO₂, PH₃, SO₂ and organic vapors. With the PC software Dräger CC-Vision, the sensors



D-27784-2009

Dräger X-am® 5600

Small, light and tough for single-handed detection of up to 6 gases.

can easily be exchanged, calibrated or converted 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.



D-27784-2009

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 +60 °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 (pending)	ATEX	II 1G Ex ia IIC T4/T3 (Zone C)
	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 T-Code T4/T3
	IEC	Ma Ex ia I
		Ga Ex ia IIC T4/T3
