

DRAEGER

PORTABLE 1- to 5-GAS MONITOR

This personal gas monitor measures combustible gases and vapours as well as oxygen and harmful concentrations of CO, H₂S, CO₂, Cl₂, HCN, NH₃, NO₂, PH₃ and SO₂. The two-button control panel and easy-to-follow menu system allow for intuitive use.

The catalytic Ex sensor measures 0-100 % LEL and 0-100 Vol.-% methane concentration. It is easy to exchange, upgrade or calibrate the sensors for other gases, which makes more applications possible.

The unit is water- and dust-resistant according to IP67 and remains fully functional even after being dropped in water. It has an integrated rubber boot to provide protection and resistance to impact and vibration.

The optional external pump, which operates with a flexible hose up to 30 meters long, makes it possible to use the monitor for pre-entry measurements in tanks, shafts, etc. Pump starts automatically when the detector is inserted.

From a function (bump) test to complete documentation, users can choose from a range of practical, on-site solutions that offer maximum safety. Fresh air, mixed gas and single gas calibrations can be done directly using the monitor's menu.

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



See the *XXS Sensors Specification Sheet*
for *XXS and Cat Ex sensors*

Dimensions (W x H x D)	48 x 130 x 44 mm; 1.89 x 5.12 x 1.73 in.	
Weight	220 - 250 g; 7.8 - 8.8 oz.	
Ambient conditions	Temperature	-20 - +50 °C; -4 - 122 °F
	Pressure	700 - 1,300 hPa
	Humidity	10 - 95% r.h.
Alarms	Visual	360°
	Audible	Multi-tone >90 dB at 30 cm
	Vibrating	
Battery options	Alkaline, rechargeable NiMH cells for alkaline pack, T4 battery pack	
Ingress Protection	IP 67	
Operating times	12 hours with Alkaline and NiMH; > 13 hours with NiMH HC; without Ex Sensor typ. > 250 hours with Alkaline Battery; 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 gases and a recording interval of 1 value per minute	
Pump operation	Maximum hose length 30 m; 98 ft.	
Approvals	ATEX	1 M1 Ex ia I Ma II 1G Ex ia IIC T3 Ga I M2 Ex d ia I Mb II 2G Ex d ia IIC T4/T3 Gb
	CSA	Class I, Div. I Group A, B, C, D, T-Code T4/T3
	IECEX	Ex ia I Ex ia IIC T3 Ex d ia I Ex d ia IIC T4/T3
	CE mark	Electromagnetic compatibility Directive 2004 / 108 / EG; EN 50270:2006
	MED MSHA	Marine Equipment Directive 96 / 98 / EC

Order Information

X-am 5000, basic monitor with NiMH battery and charger	Order No.
Ex, O ₂ , H ₂ S	4543750
Ex, O ₂ , CO	4543753
Ex, O ₂ , dual CO/H ₂ S	4543751

AREA GAS MONITOR

The X-zone 5500 transforms the X-am 5000/5100/5600 personal gas detection instruments into an area monitoring device for a wide range of applications. In addition to personal air monitors carried on the body, these area monitors are positioned where gas hazards are expected to increase the level of safety.

The illuminated green LED ring indicates that the air is free of toxic and combustible gases. Upon detection of gas hazards, the LED color changes from green to red, thus providing a clear visual warning that gas is present. Additionally, a loud and highly audible evacuation alarm is emitted. The X-zone 5500 gas entry is arranged that the gas can diffuse into X-am gas monitors from all sides.

An integrated pump version allows for continuous monitoring of confined spaces and locations which are difficult to access, even from a distance of up to 45 m (150 ft).



Approvals	ATEX	I M1 Ex ia I Ma ii 1G Ex ia IIC T3 Ga II 2G Ex ia d IIC T4 Gb	
		IECEX	Ex ia IIC T3 Ga Ex ia d IIC T4 Gb Ex ia I Ma
		CSA/US	Class I, zone 0, AEx ia IIC T3 Ga Class I, zone 1, AEx ia d IIC T4 Gb

Dimensions (W x H x D)	20" x 12" x 12" (490 x 300 x 300 mm)
Weight	10 kg (22 lbs.) (24 Ah battery)
Ambient temperature	-4 to +122 °F (-20 to +50 °C)

Order Information

X-zone® 5500	Order No.
X-zone 5500, 915 MHz, 24 Ah battery with diffusion cap	83 24 823
X-zone® 5500 with integrated pump, 915 MHz, 24 Ah battery with diffusion and pump cap	83 24 825
X-zone 5500 bump test adapter	83 23 314
Alarm damper	83 20 110
Leg extender stand, 25 cm high (10 in.)	83 20 645
Set: cap for X-am® 5100; for X-zone® with pump	83 23 938
Electrolube, contact protectant, 2 ml	83 24 826
Set pin block	83 25 323

Accessories

Inductive charger	83 22 080
Plug-in charger	83 20 749
Float probe with 5 m or 16.4 ft. FKM hose	83 18 371
Hose set (consisting of water trap, dust and water filter)	83 21 527
FKM black hose, solvent-resistant (per foot)	12 03 150
Float probe	68 02 337
Sampling hose, clear Tygon® (per foot)	45 94 707
Tubing connector, X-am® 1/2/5000 pump	45 94 588
Filter replacement, X-am® 1/2/5000 pump	45 43 759
USB DIRA with USB cable	83 17 409

FIRE PROTECTION SERVICE INC.**FPS-HOUSTON****Ph: 713-924-9600****Fx: 713-923-6272****FPS-NEW ORLEANS****Ph: 504-466-8003****Fx: 504-469-9922****FPS-CORPUS CHRISTI****Ph: 361-289-9102****Fx: 361-289-1421****FPS-USA**

Serving the marine and offshore industries since 1952

sales@fps-usa.com • www.fps-usa.com