

Dräger X-zone® 5500 Area Monitor

Dräger's X-zone 5500 brings a safer, more effective way to monitor hazardous gases—reinventing area monitoring. In combination with the Dräger X-am® 5000, 5100, or 5600 gas detection instruments, the X-zone® 5500 can be used for the measurement of up to six gases and extends the range of your portable gas detection technology exponentially.



Benefits

Innovative area gas monitoring

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

Wireless fenceline

Up to 25 Dräger X-Zone 5500 can be automatically interconnected to form a wireless fenceline. The interconnection of the area monitoring devices allows for rapid establishment of safety networks for larger areas. A Dräger X-zone 5500 detecting a gas alarm transmits the alarm signal to all interconnected units. A red flashing master alarm in the mother unit detecting gas contrasts with red/green flashing alarms of the connected daughter units providing simple recognition of alarm status and the actual location of the hazard.

With the corresponding configuration, the maximum gas concentration in the monitored area is shown on the display. Combined with the display of the X-zone ID a clear containment of the hazard area is possible.

Clear warning

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 Dräger X-zone 5500 gas entry is arranged that the gas can diffuse into Dräger X-am gas monitors from all sides.

Perfect for confined spaces

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 150 ft.

Other benefits

- Visual 360° LED (illuminated ring)
- Audible 360°; > 108 dB in a distance of 1 m (3 ft.), 120 dB in a distance of 30 cm (1 ft.)
- Approval for Ex-Zone 0
- Daily function test and calibration not required after single on-site testing
- Individually configurable with the Dräger CC-Vision PC software (eg. alarm frequency)
- Inductive charging station: easy and convenient non-contact charging
- Continuous operation for up to 120 hours: The 24 Ah battery of the Dräger X-zone 5500 provides up to 120 hours of continuous operation – a complete working week.

Accessories



D-23626-2009

Bump test adapter

For function tests



D-27768-2009

Alarm damper

For use within bump tests



D-23631-2009

Socket

For measurements of light gases



D-23634-2009

Induction charger

Allowing easy charging

Accessories



Plug-in charger

100 – 240 V



Float probe

With 5 m or 16.4 ft. viton hose



Hose set

Consisting of water trap, dust and water filter



Dräger Configuration and Evaluation Software

Tailor-made Dräger software makes saving measurement results, professionally configuring gas detection instruments, and viewing performance data possible.

Accessories



ST-5080-2005

Calibration gas and accessories

For the safe operation of devices, applicable regulations and statutory provisions are to be met and complied with. Therefore, regular calibrations and function tests are necessary. Different systems are available so that products meet a wide range of calibration requirements.

Related Products



D-23418-2017

Dräger X-am® 5000

Two of the most deadly gases are carbon monoxide (CO) and hydrogen cyanide (HCN)—known as the “toxic twins”. The Dräger X-am® 5000 multi-gas detector protects you by measuring the combined concentration of CO and HCN, plus up to three other gases.



D-31714-2011

Dräger X-am® 5100

For manufacturing petrochemical products, aseptic packing, or handling of rocket fuel: the Dräger X-am® 5100 portable single-gas detector ensures safe handling of HF, HCl, H₂O₂ or hydrazine—thanks to proven Dräger sensor technology and a device design which is perfectly customized to reactive gases.

Related Products



Dräger X-am® 5600 Personal Monitor

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.

Technical Data

Dräger X-zone® 5500

Dimensions (W × H × D)	490 × 300 × 300 mm 20 × 12 × 12 in.	
Weight	10 kg (22 lbs.) (24 Ah battery)	
Ambient conditions	-20 – +50 °C (-4 – 122°F) Pressure 700 to 1,300 hPa Humidity 10 to 95 % r.h.	
Ingress Protection	IP67	
Alarm	Visual 360° LED (illuminated ring) Audible 360°; > 108 dB in a distance of 1 m (39 in.), 120 dB in a distance of 30 cm (1 ft.) Configurable alarm patterns, frequencies and volumes	
Life signal	Green status display (360°), illuminated ring (LED)	
Operating time	Approx. 120 h (24 Ah battery) Depending on sensor equipment / configuration of the life signal	
Charging time	Approx. 14 h Flexible power supply: External 100 – 240 V charger (worldwide) or inductive wireless charger	
Pump operation	Maximum hose length: 45 m (150 ft.)	
Alarm output	Potential-free alarm contact for intrinsically safe circuits (6-pole); < 20 V to 0.25 A (0.15 A constant current); Resisting load	
Radio transmission	Worldwide license-free ISM frequencies Digital radio, robust and interference-free transmission up to 100 m (328 ft.)	
RF approvals	915 MHz (USA, Canada)	
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

Ordering Information

Dräger X-zone® 5500	Part-No.
Dräger X-zone® 5500, 915 MHz, 24 Ah battery with diffusion cap	83 24 823
Dräger 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 Dräger 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
Charging accessories	
Inductive charger	83 22 080
Plug-in charger	83 20 749

Ordering Information

Pump accessories

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

* Tygon is a registered trademark of Saint-Gobain Corporation.

Communication accessories

Dräger CC-Vision	www.draeger.com
USB DIRA with USB cable	83 17 409

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