



Dräger X-zone 5500 Area Monitor

State-of-the-art area monitoring – the Dräger X-zone 5500 in combination with the Dräger X-am 5000, 5100 or 5600 gas detection instruments can be used for the measurement of up to six gases and extends the portable gas detection technology to a comprehensive system with many applications.

Dräger X-zone 5500



Benefits

Area monitor

- in combination with the Dräger X-am 5000, 5100 or 5600 gas measuring devices, is suitable to measure 1 to 6 gases
- limitless area monitoring thanks to fenceline of up to 25 devices

Innovative area monitoring

The Dräger X-zone 5500 transforms the Dräger personal gas detection instruments X-am 5000, 5100 and 5600 into innovative area monitoring devices for a wide range of applications. An outstanding combination for increased safety – in addition to the personal air monitors carried on the body, these area monitors are positioned where gas hazards are expected.

Extended area monitoring

The explosion-protected gateway Dräger ConHub transmits measured values and alarms from the Dräger X-zone 5x00 area monitor via a Modbus cable as well as data from up to 20 Dräger X-am 2800/5800 and Pac devices with Bluetooth® function to the Dräger Gas Detection Connect cloud solution. This gives you deeper insight into areas at risk while ensuring more efficient use of your fleet and increased safety of your facility.

Clear warning

Even from a distance, 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 location permits gas to diffuse into the Dräger X-am 5000, 5100 or 5600 from all sides.

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 unit detecting the gas contrasts with red/green flashing alarms of the connected units. This provides 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.

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 – up to a complete working week.

Data interface modbus

- Integration in a control room system
- Connection to external displays

Benefits

Other benefits

- 360°-gas entry
- 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 (e.g. alarm frequency)
- inductive charging station: easy and convenient non-contact charging

System Components

D-14325-2017



Dräger X-am 5000

The Dräger X-am 5000 belongs to a 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 oxygen and harmful concentrations of toxic gases, organic vapors, Odorant and Amine.

D-31721-2011



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 that you use the safest methods possible for handling HF, HCl, H₂O₂ or hydrazine – thanks to proven Dräger sensor technology and a device design which is perfectly customised to reactive gases.

D-23637-2009



Dräger X-am 5600

Featuring an ergonomic design and innovative infrared sensor technology, the Dräger X-am 5600 is one of 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 flammable and toxic gases and vapors as well as oxygen.

D-12779-2023



Dräger ConHub

Automated area monitoring for high safety with low effort: The explosion-protected gateway Dräger ConHub* automatically connects your Dräger gas detectors at any location with our live monitoring solution Dräger Gas Detection Connect.

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 for X-zone 5500/5800

Allowing easy charging

Accessories

D-1568-2010



Plug-in charger

100 V - 240 V

D-30746-2015



Dräger Configuration and Evaluation Software

Save measurement results, professionally configure gas detection instruments and viewing performance data – all that is possible with the tailor-made Dräger software.

D-0494-2018

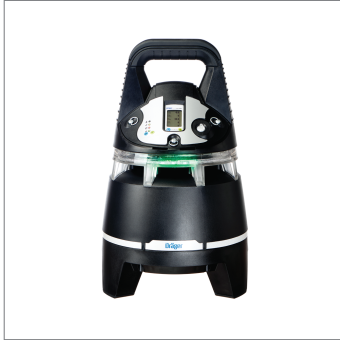


Calibration gas and accessories

Calibration of equipment will ensure safe operation and functionality of equipment and will also meet with the applicable regulations and codes of practice. Various calibration options are easily available.

Related Products

D-21254-2020



Dräger X-zone 5800

State-of-the-art area monitoring – the Dräger X-zone 5800 in combination with the Dräger X-am 5000, 5100 or 5600 gas detection instruments can be used for the measurement of up to six gases. The internal pump and continuous power supply in the explosive area of zone 0 extend the range of applications in mobile gas detection technology.

D-6491-2017



Dräger X-am 8000

Clearance measurement was never this easy and convenient: The 1 to 7 gas detector detects toxic and flammable gases as well as vapours and oxygen all at once – either in pump or diffusion mode. Innovative signalling design and handy assistant functions ensure complete safety throughout the process.

Technical Data

Dräger X-zone 5500

Dimensions (W x H x D)	490 x 300 x 300 mm 20 x 12 x 12 in.	
Weight	10 kg (22 lbs.) (24 Ah battery)	
Ambient conditions	Temperature max. +50 °C; max. 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 (3 ft.), 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	
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	868 MHz (EU, Norway, Switzerland, Türkiye, South Africa, Singapore, India) 915 MHz (USA, Canada, Australia) 433 MHz (Russia)	
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/SAD	Class I, zone 0, A/Ex ia IIC T3 /Ga Class I, zone 1, A/Ex ia d IIC T4 /Gb

Ordering Information

Dräger X-zone 5500

	Part-No.
Dräger X-zone 5500 868 MHz, 24 Ah, diffusion	8324819
Dräger X-zone 5500 915 MHz, 24 Ah, diffusion	8324823
Dräger X-zone 5500 433 MHz, 24 Ah, diffusion	8324811
Bump test adapter X-zone 5x00	8323314
Alarm damper	8320110
Socket, 25 cm high (12 in.)	8320645
Set: cover for Dräger X-am 5100 for X-zone with diffusion	8323938

Charging accessories

Inductive charger with power supply:	
For USA, Japan	8322076
For UK	8322077
For China, Australia	8322078
For India	8322079
For Europe, Russia	8322080
For South Africa	3737638
Plug-in charger	8320749

Communication accessories

Dräger CC-Vision	www.draeger.com/software
USB DIRA with USB cable	8317409

Gateway

Dräger ConHub	3729600
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Gas Detection Connect

GDC Intro License	3719332
GDC Basic License	3719809
GDC Asset License	3719810

Further details can be found in the Dräger ConHub product information.

Notes

Notes

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