

## Dräger X-zone® 5000

State-of-the-art area monitoring – the Dräger X-zone® 5000, in combination with the Dräger X-am® 5000 or X-am 5600 gas detection instruments, can be used for the measurement of up to six gases. This easily transportable, robust and water-proof unit extends mobile gas detection technology to a unique system with many applications.



D-27592-2009

### INNOVATIVE AREA MONITORING

The Dräger X-zone 5000 transforms the Dräger personal gas detection instruments X-am 5000/5600 into innovative area monitoring devices for a wide range of applications. A patented 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.

### CLEAR ALARMS – 360°

Even from a distance, the illuminated green LED ring indicates that the air is clean. 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. With the patented 360° alarm amplifier, the acoustic warning is heard with the same volume from all sides. Independent of wind direction – the Dräger X-zone 5000 gas entry is arranged so that gas can diffuse into the Dräger X-zone 5000 from all sides.

### WIRELESS FENCELINE

Up to 25 Dräger X-zones can be automatically interconnected to form a wireless fence. This interconnection of the transportable measuring heads allows for the fast securing of larger areas, e.g. pipelines or industrial tanks – even within the scope of industrial shutdowns. In the event of a gas alarm, the device transmits the alarm signal to all units that are part of the fence which then signal a daughter alarm. The daughter alarm is, in contrast to the red master alarm, displayed green/red by the illuminated LED ring, providing a fast and easy recognition of the alarm and the alarm-triggering device. This promotes an easy and clear evacuation. Alternatively, the fence can be wired.

### AREA MONITORING – EVEN WITH A PUMP

An optional integrated pump allows for continuous monitoring of areas during pump operation. This provides continuous monitoring of confined spaces and locations which are difficult to access – from a distance of up to 45 m (150 ft).



D-23602-2009

Dräger X-zone® 5000  
Front view



D-23594-2009

Dräger X-zone® 5000  
Back view

**DRÄGER X-ZONE® 5000****ALARM CONTACT TO CONNECT TO EXTERNAL EQUIPMENT**

Via the potential-free alarm contact, the Dräger X-zone 5000 device can also be interconnected and operate external equipment such as alarm horns, lamps or traffic lights. In addition, the fence line signal, together with the alarm contact, can be forwarded to a control room – overseeing a wide range of applications.

**AVAILABLE FOR USE IN EX ZONE 0**

Unlike personal gas detectors, area monitoring devices often stay located well within an explosion hazard area, even during a gas alarm. Therefore, it is important that the devices are approved for use in explosion hazard areas or zone 0. The approvals for X-zone 5000 enable the continuous operation of the device in an explosive atmosphere and environment.

**CONTINUOUS OPERATION FOR UP TO 120 HOURS**

Two different types of rechargeable batteries enable the Dräger X-zone 5000 to be adapted to a variety of applications: the 12 Ah battery, with a total weight of only 7 kg (15 lbs.), offers continuous operation for up to 60 hours; and the alternative 24 Ah battery, with a total weight of 10 kg (22 lbs.) provides up to 120 hours of continuous operation – a complete working week.

**INDUCTIVE CHARGING TECHNOLOGY**

The Dräger X-zone 5000 can be charged in two ways: in the conventional wired manner or via a modern induction charger. For this purpose, the device is simply placed into the charger – thus alleviating the problems encountered with dirty charging contacts, etc. Also non-contact

charging allows maintenance and service to be carried out simultaneously.

**CONFIGURABLE TO MEET INDIVIDUAL REQUIREMENTS**

With the Dräger CC-Vision PC software, the Dräger X-zone 5000 can be configured to meet individual needs and requirements. Using this, the alarm frequency can also be modified so that the alarms are adapted to different industrial background noises.

**ORDER INFORMATION**

**Dräger X-zone® 5000**

Dräger X-zone 5000 - 868 MHz, 12 Ah	83 20 740
Dräger X-zone 5000 - 868 MHz, 24 Ah	83 20 741
Dräger X-zone 5000 - 868 MHz, 12 Ah with pump	83 20 742
Dräger X-zone 5000 - 868 MHz, 24 Ah with pump	83 20 743
Diffusion cap	83 20 636
Pump cap	83 20 704
Gas supply adapter	83 20 108
Alarm damper	83 20 110
Socket, 30 cm or 1 ft. in height	83 20 645
<b>Power supply units</b>	
Battery pack, 12 Ah	83 20 644
Battery pack, 24 Ah	83 20 646
<b>Charging accessories</b>	
Inductive charger	83 20 626
Plug-in charger	83 20 749
<b>Pump accessories</b>	
Dust and water filter for pump inlet	83 19 364
Measurement probe 0.5 m or 1.6 ft.	64 08 238
Measurement probe 0.9 m or 3 ft.	83 16 532
Telescopic probe 1.0 m or 3.3 ft.	83 16 530
Measurement probe 1.5 m or 5 ft.	64 08 239
Telescopic probe 1.5 m or 5 ft.	83 16 533
Float probe with 5 m or 16.4 ft. viton hose	83 18 371
Hose, electronically conductive	11 80 681
Viton hose, solvent-resistant	12 03 150
Tygon hose	83 20 395
<b>Communication accessories</b>	
Dräger CC-Vision	64 08 515
USB DIRA with USB cable	83 17 409



D-27801-2009

**Wireless fenceline**

Up to 25 Dräger X-zones automatically interconnect to form a wireless fenceline.



D-27769-2009

**Area monitoring**

Dräger X-zone 5000 complements the Dräger personal gas measuring devices X-am 5000 and X-am 5600.

**ACCESSORIES**



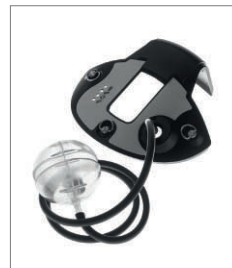
D-23826-2009

**Bump test adapter**  
For function tests



D-23827-2009

**Cover plate**  
With diffusion adapter



D-23830-2009

**Cover plate**  
With pump adapter



D-23831-2009

**Socket**  
For measurements of light gases



D-27766-2009

**Alarm damper**  
For use within bump tests



D-23834-2009

**Inductive charger**  
Allowing easy charging



ST-5026-2005

**Dräger CC-Vision**  
Configuration software



D-25391-2009

**Measurement probe**  
1.5 m or 5 ft.

## TECHNICAL DATA

### Dräger X-zone® 5000

Dimensions (W x H x D)	490 x 300 x 300 mm; 20 x 12 x 12 in.
Weight	7 kg (15 lbs.) (12 Ah battery), 10 kg (22 lbs.) (24 Ah battery)
Ambient conditions	Temperature: -20 to +50°C; -4 to 122 °F Pressure: 700 to 1,300 hPa Humidity: 10 to 95 % r.h.
Ingress Protection	IP 67
Alarm	Visual, 360° LED (illuminated ring) Audible, 360°; > 105 dB at 1 m (30 ft.) Configurable alarm patterns, frequencies and volumes
Live signal	Green status display (360°), illuminated ring (LED)
Operating time	Approx. 60 h (12 Ah battery), approx. 120 h (24 Ah battery) Depending on sensor equipment / configuration of the life signal
Charging time	< 10 h Flexible power supply: External 100 - 240V 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); < 30 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 200 m (656 ft.)
RF approvals	868 MHz, 915 MHz, 433 MHz, 430 MHz (EU, Norway, Switzerland, Turkey, India, South Africa, Singapore, USA, Canada, Australia, Japan)
Approvals (pending)	ATEX II 1G Ex ia IIC T4 IEC Ex ia IIC T4 UL Class I Div. 1 Groups A,B,C,D Class II Div. 1 Groups E,F,G

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