

Dräger X-zone® 5500

Area monitoring reinvented. That's what Dräger's X-zone® 5500 brings to a worksite: a safer, more effective way to monitor for hazardous gases. 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.



D-27592-2009

INNOVATIVE AREA MONITORING

The Dräger X-zone 5500 transforms the Dräger X-am 5000/5100/5600 personal gas detection instruments into innovative area monitoring devices 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.

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.

WIRELESS FENCELINE

Up to 25 Dräger X-zone 5500 units can be automatically interconnected to form an open wireless fence line network. A closed network may be established for up to 16 X-zone 5500 units. The interconnection allows wide safety networks in 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.

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.



D-4946-2014

Dräger X-zone® 5500
Front view



D-4943-2014

Dräger X-zone® 5500
Back view

DRÄGER X-ZONE 5500

Front View



DRÄGER X-ZONE 5500

Back view





OTHER BENEFITS

360° gas entry

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

Continuous operation for up to 120 hours

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 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

ORDER 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

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

Communication accessories

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

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



D-23831-2009

Leg extender stand
for elevated measurements
of lighter gases



D-10391-2009

Float probe
with 5 m FKM hose



D-1571-2010

Hose set
consisting of water trap, dust
and water filter

CORPORATE HEADQUARTERS

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