



Dräger X-am[®] 5800

Multi Gas Detectors

The X-am[®] 5800 multi-gas detector measures up to six gases and is equipped with a particularly shock-resistant CatEx sensor. With the Dräger Gas Detection Connect software, it offers live data transmission and powerful asset management. Designed for personal monitoring, the X-am[®] 5800 offers you the highest level of safety at a low cost of ownership.

Highlights

Powerful data analysis in the cloud

Safety and efficiency thanks to its networking capability: Transfer your recorded data directly and conveniently via Bluetooth® to a smartphone or the Dräger ConHub (gateway) and from there to the backend of the Gas Detection Connect software. As an alternative, you can also transfer the data directly to the cloud with the X-dock test station. This way, you have secure access to your data and its analysis at any time and from anywhere – simply via your internet browser.



Comfortable asset management

With the X-am 5800 you can manage your fleet of equipment comfortably and efficiently in daily use. Save operating costs and time through fast tests by using the automatic test station X-dock with low gas consumption or a pure mechanical bump test station. Further advantages: powerful asset management via our smart software solution, convenient firmware updates in the X-dock, an optional RFID transponder and individual colour marking of the devices. Few, easy-to-replace spare parts – including the power supply – and sensors ensure that your devices remain operational for many years. Dräger provides a 4-year manufacturer's warranty on the basic device. Existing, compatible accessories from its predecessor, the X-am® 2500/5000/5600 series can continue to be used.



Powerful sensors

The new CatEx sensor offers you even more advantages: readiness for calibration within seconds, extreme robustness against shocks and the measurement of flammable vapours – such as petrol, diesel and nonane. You can also set the measurement gas to methane, propane, hydrogen, and many other gases. The performance is complemented by Dräger's simple cross calibration concept, in which the measurement gas, calibration gas and bump test gas can be specified individually. Upon testing, the X-am 5800 then takes over the necessary conversions. The sensor is target to meet the demanding requirements of the new IEC standard 60079-29-1 (International Electrotechnical Commission).



At the same time, the CatEx sensor is resistant to poisoning substances such as silicones and other harmful substances. This combination of properties is exceptional. With years of experience in sensor technology, Dräger develops and produces the sensors itself, including the powerful and durable electrochemical sensors in the XXS format. Your advantage: sensors and device are perfectly matched to each other – saving you operating costs. A robust infrared sensor for measuring combustible gases and vapours and/or carbon dioxide or a photoionisation detector for measuring volatile organic compounds (VOCs) are also available.

Tailor-made gas monitoring

Small and lightweight: The X-am 5800 is comfortable to wear and easy to use even with gloves on thanks to its large buttons. The display clearly shows important information such as gas readings, alarms and time. The green D-light indicates that the unit is ready for use. All this, plus the completely language-free icon based user interface, makes it pleasantly simple to use and familiarise yourself with. For your added safety, its oxygen channel has four alarm thresholds – real pre-alarms and main alarms for falling and rising concentrations. Approved for use in Ex zone 0, it has also been tested according to protection class IP 68. The device has a manually triggered panic alarm and an optional motionless alarm. Both functions together are called the "Bodyguard" alarm.

Focus on sustainability

During the development of the X-am 5800, great importance was given to sustainability. The optimised Dräger Sensors and the rechargeable power supply, which can be easily replaced with one screw, ensure it has a long service life. Almost all spare parts can be replaced by trained users, while all remaining parts can be repaired by DrägerService. Furthermore, existing accessories from the previous series can still be used. Environmental protection has also been taken into account in the technical documentation and packaging: Designed to save paper, when you order two or more units, we can reduce the number of instruction manuals supplied if you order the modular version. For your convenience, Dräger also takes back old devices and ensures that they are recycled properly.

Specifications

Key Facts

Measurable gases	Ex, O2, CO, H2S, NO2, SO2 + (choice out of > 30 sensors)
Sensorports	4
Number of gases	1 - 6
Sensor technology	Cat + EC

Applications

Personal Air Monitoring	✓
Confined Space Entry	✓
Area Monitoring	X

Technical Data

Operation time	>12h
Dimensions (W x H x D)	4.8x13x4.4 cm
Weight	7.76 oz
Battery type	NiMH
Degree of protection (IP class)	IP 68

Features

Dual sensors	✓
CatEx Fullrange	✓
D-Light	✓
Internal pump	X
X-am Pump	✓
X-zone 5500 Area Monitoring	X
Bump Test Station	✓
X-dock Station	✓
Bluetooth	✓
Bodyguard Alarm (Panic alarm, Motionless detection)	✓
Smart Configuraton in Dräger Gas Detection Connect	✓
Support of Dräger ConHub (Gateway)	✓

Approvals

ATEX	✓ I MI Ex da ia I Ma; II IG Ex da ia IIC T4 Ga
IECEX	✓ Ex da ia I Ma; Ex da ia IIC T4 Ga

c CSA us	✓ Class I Div. 1 Group A, B, C, D, E, F, G T4/T3 A/Ex da ia IIC T4/T3 /Ga
CE	✓
GOST (EAC)	✓ PO Ex da ia I Ma X OEx da ia IIC T4/T3 Ga X
Performance approval	X
Shipping approval (MED/DNV GL)	X

Accessories



Calibration gas and accessories

- Ensures safe operation and functionality of equipment
- Offers various calibration gas options.
- Meets applicable regulations and codes of practice



Charging set



Dräger X-am® Pump

- External pump for Dräger X-am® 2500/2800 and X-am® 5000/5600/5800
- for clearance measurement
- Automatically switches on when connected to a running X-am® device

Software



Gas Detection Connect

- Digital system connecting individual Dräger products for optimal equipment management
- Provides real-time position and status of gas detection equipment

Connective Products



Dräger Bump Test Station

- Function testing for gas detection and warning devices
- Simple, cordless and portable



Dräger CC-Vision® & Dräger Gas-Vision®

PC software for setting parameters, testing and adjusting and reading out the data logger



Dräger ConHub

- Connects Dräger gas detectors to live monitoring solution Gas Detection Connect
- Enhances safety and efficiency of gas detection system



Dräger X-am 5000

- 1 to 5 gas detection device
- for personal air monitoring
- Detects combustible gases and vapours, as well as O₂, CO, H₂S, NO₂, and SO₂



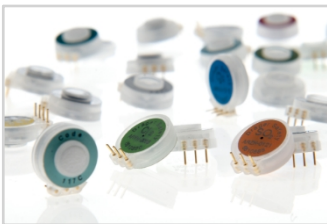
Dräger X-dock 5300/6300/6600

- Provides full control of portable Dräger gas detection instruments
- Automatic bump tests and calibrations
- Comprehensive documentation and evaluations



Dräger X-zone 5800

- Combination with Dräger X-am 5000, 5100, 5600 or 5800
- Measures up to six gases
- Extensive area monitoring thanks to fenceline of up to 25 devices
- Option for permanent power supply in explosive areas (zone 0)



DrägerSensor XXS

- Miniature electrochemical sensors
- monitoring of toxic gases and lack of oxygen
- compatible with: Pac series and X-am family
- measuring range: in vol.-% and ppm

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