Dräger Catalytic Ex-Sensors
DrägerSensors

High product quality, low operational costs: Thanks to DrägerSensor CatEx PR technology, our sensors are resistant to poisoning and particularly stable over the long-term. They also deliver fast response times for rapid warnings of gas hazards.

D-27736-2017

Dräger. Technology for Life®

Benefits

Our own design

We develop the sensors with our own engineering knowledge. In this way, we can assure their quality and we know the measurements are accurate. This allows them to be fully utilised in combination with our full line of in-house developed Dräger gas detectors.

Durable and resistant against sensor poisons

Hydrogen sulphide and silicone are known catalytic poisons that may be present in environments where explosive gases can develop. Thanks to a new pellistor composition, the sensors are highly resistant to poisoning from these substances. The sensors are also lead-free and thereby adhere to Directive 2002/95/EG (Restriction of Hazardous Substances). The high resistance to poisoning leads to extraordinarily stability over the long-term and that ensures low operational costs.

Vapour sensitivity

Unknown gas hazards and higher hydrocarbons pose a particular challenge to the display sensitivity of catalytic sensors. The new CatEx PR sensors distinguish themselves through their sensitivity. The detection of all hydrocarbons (from methane to nonane) has been certified in a measurement performance certificate for the device series X-am® 1/2/5000, X-am 7000 and X-am 8000.

Rapid response times

A rapid warning for explosive gases and vapours is vital. The CatEx PR sensors' fast response times minimise the timespan between danger and warning.

From the LEL to 100 vol. %

Our catalytic sensors are suitable for measurements from the lower explosion limit to 100 vol. %.

The X-am 8000 features the option to automatically switch testing ranges, making it easier to read off results when monitoring for high methane concentrations: if the sensor measures values above 100% LEL, the display switches to the range of 0 to 100 vol. %.

System Components

D-5902-2012

Dräger X-am® 2500

The Dräger X-am® 2500 was especially developed for use as personal protection. The 1 to 4 gas detector reliably detects combustible gases and vapours, as well as O_2, CO, H_2S, NO_2 and SO_2. Reliable and fully mature measuring technology, durable sensors and easy handling ensure a high degree of safety with extremely low operating costs.

D-1432-2017

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.

ST-67-2006

Dräger X-am® 7000

Dräger X-am® 7000 is the solution for the simultaneous and continuous measurement of up to five gases. It is the ideal companion in a variety of applications where the reliable detection of oxygen, toxic and combustible gases and vapors are necessary.

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.

Related Products

D-2105-2011

Dräger Infrared Sensors

Dräger infrared sensors deliver the best-possible measurement results and are unaffected by sensor poisons. The long service life of these sensors results in hardly any follow-up costs. You can also use Dräger infrared sensors to take Ex and CO_2 measurements simultaneously.

D-13891-2017

PID sensors

PID sensors are the ideal choice for detecting low concentrations of volatile organic compounds. A PID (photoionization detector) is used to measure hazardous substance groups or can even be adjusted to measure individual substances.

ST-299-2001

DrägerSensor XS

DrägerSensors can be used for detecting many different gases and vapours. We develop and produce the DrägerSensors ourselves. Additionally, you benefit from the sensors' long service life and low operating costs.

D-12191-2010

DrägerSensor XXS

Dräger has developed miniature electrochemical sensors specially for the Dräger Pac®, X-am® 1/2/5 and X-am® 8000 generation. The sensors detect many different gases and vapours. They are also very reliable and stable over the long-term, thereby reducing your operating costs.

Ordering Information

Description	Measuring range	Detection of	Device	Order no.
DrägerSensor CatEx 125 PR	0 – 100 % LEL or 0 – 100 Vol.-% CH_4	Gases and vapours	Dräger X-am® 2500, Dräger X-am® 5000, Dräger X-am® 8000	68 12 950
DrägerSensor CatEx 125 PR-Gas	0 – 100 % LEL or 0 – 100 Vol.-% CH_4	Gases	Dräger X-am® 2500, Dräger X-am® 5000, Dräger X-am® 8000	68 13 080
DrägerSensor Smart CatEx PR	0 – 100 % LEL	Gases and vapours	Dräger X-am® 7000	68 12 980
DrägerSensor Smart CatEx PR FR	0 – 100 % LEL or 0 – 100 Vol.-% CH_4	only Methane	Dräger X-am® 7000	68 12 975
DrägerSensor Smart CatEx PR HC	0 – 100 % LEL or 0 – 100 Vol.-% CH_4	Gases and vapours	Dräger X-am® 7000	68 12 970

Notes

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