

DrägerSensors®

Our sensors are developed in-house here at Dräger. Their reliability and short response times ensure that they stand out from others in the market. When used together with our Dräger gas detection devices, the full potential of the sensors can be utilised.



Developed according to customer requirements:

We fulfil our customer requirements to detect a range of different gases and vapours. Furthermore, you will benefit from a long service life as well as the low operating costs of our sensors.

CATALYTIC SENSORS OF THE PR SERIES

Resistance to poisoning

DrägerSensors are robust and easy to handle, and with the DrägerSensor CatEx PR Technology, we have succeeded in developing particularly long-term stable catalytic Ex sensors. Hydrogen sulphide and silicones are known catalytic poisons which may be present themselves in the environment where explosive gases exist. Thanks to a new pellistor composition, the sensors are highly resistant to 'poisoning' from these substances.

Sensitivity to vapours

Unknown gas hazards and higher hydrocarbons pose a particular challenge to the display sensitivity of catalytic sensors. The new CatEx 125 PR and Smart CatEx (PR) sensors have such a sensitivity. The detection of all hydrocarbons (from methane to nonane) has been confirmed with a measurement certificate for the device series Dräger X-am® 1/2/5000 and Dräger X-am® 7000.

Optimised for extreme conditions

The design of the new sensor CatEx 125 Mining PR makes it particularly impact-resistant and thus optimised for the harsh conditions in the mining industry.

From LEL to 100 % by vol.

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

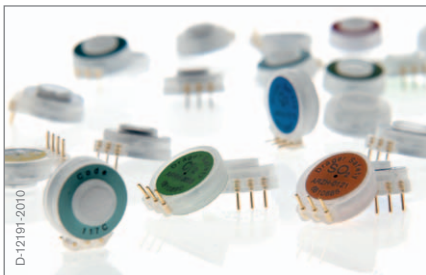
D-43205-2012

Dräger Catalytic Sensors



D-31728-2011

Dräger Catalytic Ex Sensors



DrägerSensor® XXS



DrägerSensor® XS

ELECTROCHEMICAL SENSORS IN XS AND XXS

Variety of Gas Detection

Safely monitor industrial and special gases with the XS and XXS DrägerSensors.

DRÄGERSENSOR XXS

XXS in size, XXL in performance

Portable gas detection instruments for daily use need to be as small, lightweight and robust as possible – yet also offer maximum performance. Reason enough for us to drastically reduce the volume and weight of the sensors and to develop a miniaturised XXS generation of the DrägerSensors. High sensitivity, improved gas selectivity, and rapid response times guarantee that the operator is alerted reliably to the presence of hazardous gases, providing more safety at work.

The miniature electrochemical sensors have been developed especially for the device generation Dräger Pac® and Dräger X-am 1/2/5000 and detect many different gases and vapours.

Easy to use thanks to Smart technology in XS

The DrägerSensors XS are so-called intelligent sensors and have an integrated EEPROM (Electrically Erasable Programmable Read-Only Memory). All relevant data, such as temperature compensation, measurement range, calibration interval and gas type are saved on this memory chip. This information is processed automatically when the chip is inserted into a Dräger X-am 7000. The 'Plug & Play' function makes it possible to exchange sensors between devices without having to readjust them.

The DrägerSensors XS, developed by our engineers are used in the Dräger X-am® 5100 and cater even for the requirements of special reactive gases, such as H₂O₂, HF, HCl or hydrazine.

DRÄGER INFRARED SENSORS

Extremely precise and insensitive to sensor poisons

The infrared sensors distinguish themselves with extreme precision. Combined with the insensitivity towards sensor poisons, a high degree of measurement precision can be achieved in a wide range of application fields. IR sensors are ideal to measure hydrocarbons and CO₂ in inert atmospheres because the measurement principle of the sensor does not depend on the oxygen content. The Smart IR series is applied in the Dräger X-am 7000, while the dual IR Ex/CO₂ sensor and the single sensors are applied in the Dräger X-am® 5600 device.

Simultaneous Ex- and CO₂ measurement

Depending on the field of application, it is required to measure explosive gases and simultaneously monitor the carbon dioxide concentration (e.g. in the sewage sector). This can be done with only one sensor – the DrägerSensor Dual IR-Ex /CO₂ fulfils both measurement tasks. This increases your flexibility when configuring the gas warning device.

From LEL to 100 % by vol.

Our infrared ex sensors are suitable for measurements from the lower explosion limit to 100 % by vol. The IR measurement method can also be used for carbon dioxide in the range of 0 – 5 % by volume CO₂. Dräger offers both types (EX/CO₂) as single sensor and application-optimised Dual Sensor.

DRÄGER PID SENSOR

VOCs in the ppm range

The PID complements the DrägerSensor family with measurements of volatile organic compounds (VOCs) in the ppm range. Therefore, it is a valuable accessory for workplace monitoring with multigas detectors in certain fields of application.

Robust design (in combination with Dräger X-am 7000)

Dräger X-am 7000 has water-repellent membranes and protects the integrated Smart PID sensor for industrial use. Furthermore, the sensor has short response times and alerts you quickly.

Calibration and response factors

Quick and easy calibration of the PID sensor is possible because of isobutene. Isobutene is a non-hazardous gas and available in practical disposable test gas cylinders. The sensitivity of the substance to be measured can be set individually through response factors. Thus, it is possible to calibrate the sensor on site at any time.



DrägerSensor® PID



DrägerSensors® Infrared

Visit: www.thesafetyequipmentstore.com or besafe@thesafetyequipmentstore.com for sales and service.

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53-55
23558 Lübeck, Germany

www.draeger.com

AUSTRALIA

Dräger Safety Pacific Pty. Ltd.
8 Acacia Place
Notting Hill VIC 3168
Toll-free +61 1800 DRAGER
(1800 372 437)
Fax +61 1800 64 74 84
customer.service@draeger.com

CANADA

Dräger Safety Canada Ltd.
7555 Danbro Crescent
Mississauga, Ontario L5N 6P9
Tel +1 905 821 8988
Fax +1 905 821 2565

P. R. CHINA

Dräger Safety Equipment
(China) Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial Zone,
Shunyi District, Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

Dräger Safety France SAS
3c route de la Fédération, BP 80141
67025 Strasbourg Cedex 1
Tel +33 3 88 40 76 76
Fax +33 3 88 40 76 67

MEXICO

Dräger Safety S.A. de C.V.
Av. Peñuelas No. 5 Bodega No. 37
Fraccionamiento Industrial
San Pedrito
Querétaro, Qro México
Tel +52 442 246-1113
Fax +52 442 246-1114

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

REGION ASIA PACIFIC

Dräger Safety Asia Pte Ltd.
67 Ayer Rajah Crescent
#06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

REGION CENTRAL

AND SOUTH AMERICA
Dräger Panama S. de R.L.
Complejo Business Park
V tower, 10th floor
Panama City
Tel +507 377-9100
Fax +507 377-9130
contactcsa@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

SPAIN

Dräger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Dräger Safety UK Ltd.
Blyth Riverside
Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352-891
Fax +44 1670 356-266

USA

Dräger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207

Manufacturer:

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany