

PID sensors DrägerSensors

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.



Benefits

Detection of volatile organic compounds in the ppm and ppb range

The photoionization detector (PID) sensors complete the DrägerSensor series in the area of detecting volatile organic compounds (VOCs) in the ppm or ppb ranges. Therefore, these sensors are a useful addition to workplace monitoring with multi-gas detectors in certain applications.

Many different applications

PID sensor technology is very versatile and can be used, for example, for clearance measurements during shutdowns in the chemical and petrochemical industries, monitoring operations in shafts and enclosed spaces, detecting leaks and many other applications.

Benzene-specific measurements

Selective benzene detection can be carried out using the Dräger X-am® 8000 in combination with the benzene pre-tube. This pre-tube filters out all hydrocarbons present except for benzene.

Robust design

The Dräger PID detectors are equipped with water-repellent membranes to protect the integrated PID sensor during industrial use. The sensors also have very short response times and give a rapid warning.

Adjustment and response factors

PID sensors are quickly and simply adjusted using isobutylene. Isobutylene is a harmless gas that is available in practical, disposable, test gas bottles. Sensitivity to the monitored substance can then be individually set using response factors. This means that it can be calibrated on location at any time.

Optimized for the mission

Optimized for compatibility with original Dräger gas detection devices, so the PID sensors can be used to their full potential.

System Components

D-6491-2017



Dräger X-am® 8000

Clearance measurement was never this easy and convenient: The Dräger X-am® 8000 measures up to seven toxic as well as flammable gases, vapors and oxygen all at once — either in pump or diffusion mode. Innovative signaling design and handy assistant functions ensure complete safety throughout the process.

ST-67-2006



Dräger X-am® 7000

Dräger X-am® 7000 is the innovative solution for the simultaneous and continuous measurement of up to five gases. A combination of more than 25 sensors allows flexible solutions to individual monitoring tasks. It is the ideal companion in a variety of applications where the reliable detection of oxygen, toxic and combustible gases and vapors is necessary.

Services

D-19072-2016



Dräger Service

When your operation's safety equipment is backed by over 125 years of experience and supported by the same team that engineered it, you can rely on service and rental solutions that are tailored to meet your unique needs. With Dräger's safety solutions, you get complete peace of mind, budget security, and full-service support that you can count on every step of the way. That's the Dräger Service Advantage.

Related Products



D-2105-2011

Dräger Infrared sensors

Compact and powerful: The durable Dräger infrared sensors work very accurately and precisely, even in oxygen-free atmospheres.



ST-1535-2007

Dräger Catalytic Ex-Sensors

The Dräger Sensor Catalytic Ex-Sensors measure multiple gases at the same time—combustible gases and vapors in the air.



D-12191-2010

DrägerSensor® XXS

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



D-12175-2010

DrägerSensor® XS

DrägerSensors® XS are ahead of the field thanks to their high reliability and warranty periods of up to 5 years. Dräger's smart technology allows simple sensor installation and switching using plug-and-play.

Ordering Information

| Description | Measuring range | Resolution | Device | Order no. |
|---------------------------------------|-----------------------------|--|-------------------|-----------|
| DrägerSensor® PID LC ppb (10.6 eV) | 0.025–10 ppm Isobutylene | 0–2 ppm / 10 ppb > 2–5 ppm / 20 ppb > 5–10 ppm / 50 ppb | Dräger X-am® 8000 | 68 13 500 |
| DrägerSensor® PID HC (10.6 eV) | 0–2,000 ppm Isobutylene | 0–20 ppm / 100 ppb > 20–50 ppm / 200 ppb > 50–100 ppm / 500 ppb > 100–200 ppm / 1 ppm > 200–500 ppm / 2 ppm > 500–1,000 ppm / 5 ppm > 1,000–2,000 ppm / 10 ppm | Dräger X-am® 8000 | 68 13 475 |
| DrägerSensor® Smart PID (10.6 eV) | 0–2,000 ppm Isobutylene | 0–100 ppm / 1 ppm > 100–250 ppm / 2 ppm > 250 ppm / 5 ppm | Dräger X-am® 7000 | 83 19 100 |

Notes

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CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

Customer Service:

USA
+1 800-4DRAGER
(+1 800-437-2437)

CANADA

+1 877-DRAGER1
(+1 877-372-4371)

Technical Service:

USA
+1 800-4DRAGER
(+1 800-437-2437)

Locate your Regional
Sales Representative at:
www.draeger.com/contact

