

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 photoionisation 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.

Optimised for the mission

Optimised 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, 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.

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.

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 CO₂ measurements simultaneously.

Related Products



D-31728-2011

Dräger Catalytic Ex-Sensors

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-12191-2010

DrägerSensor XXS

Dräger has developed miniature electrochemical sensors specially for the Dräger Pac® and X-am® 1/2/5 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.



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.

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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