

THE ATEX DETECTOR AND TRANSMITTER THAT CAN MONITOR MORE THAN 60 TOXIC GASES AND OXYGEN IN AMBIENT AIR.

The Polytron 3000 is an intrinsically safe transmitter for the continuous monitoring of more than 60 toxic gases and oxygen in ambient air. It is part of a new generation of gas detectors developed on a modular platform.

Equipped with an electrochemical (EC) DrägerSensor, the Polytron 3000 takes highly stable and selective measurements. Its sensors are very resistant, meaning it can be used continuously in the harshest conditions all year long, both inside and outside. It is a plug-and-play device, and offers the possibility to continuously monitor a whole range of gas concentrations in ambient air from a fixed point, depending on the DrägerSensor installed.

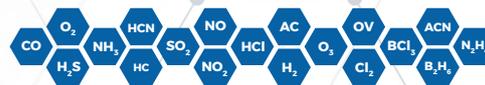
It consists of two components: a docking station, which can be mounted and connected in advance, and a transmitter. Once the sensor is inserted, the device is ready to use.

It is easy to maintain thanks to the viewer on the front, which can be used to inspect the gas value measured and operate the two potentiometers.

It is designed to be connected to the Dräger Regard or Unigard LT control panels, but it can be connected to a PLC under the following conditions:
 - 4-20mA input signal
 - Operating voltage between 12 and 30V DC

The EC DrägerSensors have a long service lifetime and are very stable. They deliver fast results and high levels of accuracy. They can be used to take selective measurements of very low concentrations of toxic gases and oxygen in ambient air

Applications: water treatment, tunnels, food & beverage industry, pharmaceutical industry, chemical industry, micro-electronics, refrigeration industry and hospitals.



SPECIFICATIONS

- The system is ready to use as soon as it is inserted into a pre-mounted and wired docking station.
- Sensors have a built-in calibration memory (use of pre-calibrated data or direct calibration of the sensor).
- Explosion protection approvals: ATEX, IECEx, UL, CSA and Ex zone 22 (dust)

TECHNICAL DATA

Size: 6.5 x 5.3 x 5.1 in. (16.6 x 13.5 x 12.9 cm)

Weight: 2 lbs (0.9 kg)

Protection Class: IP 66/67

Cable entry point: cable glands, M20

Display: optional

Signal output analog: 4-20 mA

Temperature: -40 to +150 °F (-40 to +65 °C)

Humidity: 0 to 100 %RH (non condensing)

Power supply: 2-wire, 12-30V DC

Power consumption: 700 mW

Approvals:

ATEX II 1G Ex ia IIC Ga T4/T6 - 40 °C to + 65/+ 40 °C, II 3G Ex ic IIC Gc T4/T6 - 40 °C to + 65/+ 40 °C, I M1 Ex ia I Ma - 40 °C to 65 °C
 IECEx Ex ia IIC T4/T6 Ga - 40 °C to + 65 / + 40°C, Ex ic IIC T4/T6 Gc - 40 °C to + 65 / + 40°C, Ex ia I Ma - 40 °C to 65 °C
 CE mark electromagnetic compatibility (2004/108/EC)

Warranty: 1 year

ACCESSORIES:



Splash guard
AC sensor



Docking
Station



Safety
barriers



Duct Mount
Kit



Splash guard