



3-026-R210

GasSafetySensor

Sensor for monitoring the air in enclosed spaces with gas-filled operating equipment to measure different trace gases. The sensor unit detects the smallest concentrations of the gas to which it is tuned/calibrated and permanently displays the current measured value. None of the DILLO sensors contain a radioactive source, so no special precautions are required with regard to radioactive hazardous substances during operation. The sensors also feature a fast response time with a stable measurement result. The settings for the warnings and alarms of each sensor can be freely configured. If the standard configuration is to be changed, this can be done via the connected monitor.



The actual product may differ slightly from the image.

Special features

- Gas type: O₂

Advantages & functions

- operation either as a stand-alone unit or in networks connected to a GasSafety Monitor
- different acoustic signals to be set on the unit; visual display of errors, warnings and alarms
- potential-free relays for errors, warnings and alarms
- high long-term stability
- Sensors are connected via an RJ45 cable (Ethernet and Power over Ethernet (PoE))
- no maintenance and no consumables required
- analogue output (4...20 mA)
- message on the expiry of the recommended calibration interval
- power is supplied separately (24 V DC) or alternatively in the network via Power over Ethernet (PoE)

Technical data

Dimensions (W x H x D)	170 x 275 x 88 mm
Weight	0.25 kg approx.
Indication	16x2-LCD display with RGB background
Ambient moisture	max. 95 % relative moisture, non condensing
Operating voltage	24 V DC, or PoE (802.3af-2003)
Power	1.25 A max.
Protection class	IP 41
Sound level	75 dB integrated alarm
Recommended calibration interval	2 years
Measuring principle O ₂ sensor	Electrochemical reaction
Measuring range O ₂ sensor	0 - 25 mol %
Measuring accuracy O ₂ sensor	≤ ± 0.5 mol % absolut
Lifetime	3 years
Operating temperature	0 to +50 °C
Power consumption	3,2 W

Optional accessories

3-026-R290	Power supply set
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Note

Note:

All types of Sensors can be operated together in networks with one Monitor (Ill. 2) or autonomously as a single unit (Ill. 3). Each Sensor has a 4 ... 20 mA output and 3 relays for connecting warning systems. This output can always be used irrespective of the arrangement. In networks, up to three Sensors can be connected directly to one Monitor without separate power supply. When connecting more than three Sensors, a PoE switch is required for each additional three Sensors. An Ethernet cable is needed for each Sensor connected to the network. A maximum of 32 Sensors can be connected to one Monitor.