GASMONITOR

PCE-WMM 100



- **CO2 and O2 sensor**
- **Main and remote unit**
- **Alarm relay**
- **4 ... 20 mA analog output**
- **Acoustic alarm**
- **Integrated temperature measurement**

The CO2 warning device consists of a main unit and a remote display. The CO2 gas detector is used to measure carbon dioxide and oxygen in a fixed location. The CO2 warning device protects people from the odourless gas CO2 and also warns of low oxygen content in the air. The gas warning system displays the measured values on an LCD. The CO2 warning device has two relays that can be used to control alarm lights or sounders. Furthermore, the CO2 warning device has an integrated, acoustic alarm, which emits an audio signal of 80 db in the event of an alarm.

The warning device is used wherever CO2 can be released. This can be in warehouses, breweries, wine cellars or restaurants. The main unit is protected to IP54. 4 LEDs on the front provide information about the system status.

Specification

CO2	
Measuring range	0 ... 10000 ppm
Resolution	10 ppm
Accuracy	±(100 ppm +5% of measured value)
CO2	
Measuring range	10001 ... 50000 ppm
Resolution	100 ppm
Accuracy	±(100 ppm +5% of measured value)
Oxygen	
Measuring range	0 ... 30 %
Resolution	0,1 %
Accuracy	< 3% of measured value
Temperature	
Measuring range	0 ... 50 °C
Resolution	0,1 °C
Accuracy	±1°C

General technical data	
Outputs	2 x 4 ... 20 mA
Alarm modes	Alarm 1 CO2: 5000 ppm, 1%, 1.5%, 2% O2: 18%, 18.5%, 19%, 19.5%, 20% Alarm 2 CO2: 1.5%, 2%, 2.5%, 3%, 3.5%, 4% O2: 16%, 16.5%, 17%, 17.5%, 18%
Repeatability	**CO2:** ±20 ppm at 400 ppm **O2:** < ±1%
Dimensions	Remote unit: 80 x 35.7 x 10 mm / 3.1 × 1.4 × 0.4 in
Alarm volume	80 dB
Warm-up time	< 60 s at 22°C / 71.6 °F ambient temperature
Response time (T 90)	CO2: T90 < 60s O2: T90 < 30s Temperature: 20 ... 30 min.
Additional description	Temperature dependence: ± 0.3% of reading / °C (at 25°C / 77°F) ± 2 ppm / °C (the greater value applies) Pressure dependence: 0.13% of reading / mmHg Burden: <150 Ohm Relay: max. 2 A / 30V DC / 250V AC
Menu language	English (US), English (GB)
Protection class (device)	IP54
Power supply	100 ... 240 V AC / 6 V DC / 0,5 A
Connector type	Device Europlug
Operating conditions	0 ... 40 °C , 0 ... 95 %RH
Storage conditions	-20 ... 60 °C , 0 ... 95 %RH
Dimensions (L x W x H)	170 x 63 x 26 mm
Weight	1200 g

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