GAS DETECTOR

PCE-WMM 50



- **CO2 gas measurement range: 0 ... 50000 ppm**
- **Temperature measurement range: 0 ... +45 °C / +32 ... +113 °F**
- **IP54-rated enclosure on sensor and remote display units**
- **2 adjustable alarm thresholds**
- **Alarm-activated potential-free contact can, for example, activate a fan to**
- **reduce CO2 gas concentration in the room**

PCE-WMM 50 is a wall-mounted gas detector that uses diffusion to monitor carbon dioxide (CO2) gas levels and ambient temperature (°C / °F) indoors. This indoor air quality meter features an alarm-activated potential-free contact that can, for example, activate a fan to reduce CO2 gas concentration in the room.

The PCE-WMM 50 alert meter consists of two parts: the sensor unit and the remote display unit. This allows for safe monitoring outside the exposure zone.

By monitoring CO2 concentration, the indoor air quality meter helps protect workers against the health hazards associated with CO2, a colorless and odorless gas used in the food, metal, chemical and waste management industries.

Specification

CO^2	
Measuring range	0 ... 9999 ppm
Resolution	10 ppm
Accuracy	±(100 ppm +5% of mean value)
CO^2	
Measuring range	10000 ... 50000 ppm
Resolution	1000 ppm
Accuracy	±(100 ppm +5% of mean value)
Temperature	
Measuring range	0 ... 45 °C
Resolution	0,1 °C
Accuracy	±1 °C
Temperature	
Measuring range	32 ... 113 °F
Resolution	0,18 °F
Accuracy	1.8 °F

General technical data	
Repeat accuracy	±20 ppm at 400 ppm
Display type	LCD
Housing	Plastic
Alarm	optical
Alarm modes	Alarm 1 0.5 / 1 / 1.5 / 2% Alarm 2 1.5 / 2 / 2.5 / 3 / 3.5 / 4%
Dimensions	Remote display: 118 x 85 x 34 mm (without connections)
Sensors	NDIR
Alarm volume	80 dBA
Warm-up time	<60 s at 22°C
Response time (T 90)	<60 s
Additional description	Alarm relay: SPST normally open contact: 30V DC / 250V AC, max. 2 A
Menu language	English, English (GB)
Protection class (device)	IP54
Power supply	100 ... 240 V AC | 50/60 Hz
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)	168 x 125 x 47 mm
Weight	450 g

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