



Gas Detector PCE-WMM 50



Gas Detector for the detection of carbon dioxide (CO₂) / 2 adjustable alarm thresholds / 4-digit digital display / Built-in alarm device / Easy wall mounting

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.

- ▶ 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
- ▶ 3- to 4-digit remote display (depends on range)
- ▶ Audible and visual alarm signals

Specifications

Sensor unit

CO2 measurement range	0 ... 50,000 ppm (5%) (vol.) NDIR sensor
Temperature(gas / environment)	0... +45 °C / +32 ... +113 °F
Supply of gas samples	By diffusion -1 potential-free change-over contactor to control external devices(NO/NC) by releasing alarm 1 - Switching power: 30 V DC / 250 V AC, max. 2 A
Alarm contacts	Alarm1
Alarm thresholds	0.5 / 1 / 1.5 / 2% Alarm 2 1.5 / 2 / 2.5 / 3 / 3.5 / 4%
Menu items	Functiontest of connection between detection unit and alarm unit, calibration,switch between °C and °F, alarm 1, 2 and factory setting
Display elements	-4-digit digital display for measured gas concentration within range 0... 9999 ppm - 3-digit digital display for measured gas concentration within range 1... 5 % - Additional 3-digit digital display for measurement and temperature in°C and °F - LEDs for operation, alarm 1, 2 and monitoring of voltage supply
Operating elements	Reset,menu selection, enter
Safety	Continuousself-surveillance of temperature range, sensor lifetime, unplausiblevalues, EEPROM system, internal data transfer
Enclosure	Synthetic,IP54-rated, watersplash proof
Dimensions	Approx. 168x 125 x 47 mm / 6.62 x 4.93 x 1.85" (without connections)
Voltage supply (adapter)	100 ... 240 V AC, 50 / 60 Hz

Remote display unit

Temperature (gas / environment)	0... +45 °C / +32 ... +113 °F
Menu items	-4-digit digital display for gas concentration within range 0... 9999ppm - 3-digit digital display for concentration within range 1... 5% - Additional digital display to measure temperature in °C and °F - LEDs for operation, alarm 1, 2 and monitoring of voltage supply
Display elements	Functiontest, reset, menu selection, enter, switch between °C and °F
Enclosure	Aluminum,IP54-rated, watersplash proof
Dimensions	118x 85 x 34 mm / 4.65 x 3.35 x 1.34" (without connections)
Voltage supply	Viadata cable to sensor unit

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Manual



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