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 ºF
Supply of gas samples	By diffusion
Alarm contacts	-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 thresholds	Alarm1 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 ºF
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

Subject to change