



CO₂ measuring instrument CM 10 E

Part no. 79131

CO₂ measuring instrument

benefits

- Monitoring of room air quality
- compact, unobtrusive design
- visual indication of concentration
- with or without EnOcean® wireless technology

Application

For continuous monitoring of the carbon dioxide (CO₂) concentration in the ambient air. Application in rooms in which many persons work, study or live and where carbon dioxide levels may consequently be elevated. High concentrations of carbon dioxide in the ambient air reduce the ability of persons to concentrate and perform. Ideal for educational institutions, training/meeting rooms, office areas and household.

Description

CO₂ sensor with infrared technology in plastic housing, for connection to a standard Euro socket with PE contact. The CO₂ concentration in the ambient air is indicated directly at the device by a colour scale. From 1,000 ppm beep every 10 minutes; from 1,500 ppm double beep every 10 minutes (beep can also be disabled).

LED green: No ventilation required

LED yellow: Ventilation recommended

LED red: Ventilation required

The version CO₂ sensor F (with EnOcean® wireless module) sends the measured values to the AFRISOhome gateway for further processing and initiation of appropriate action. For example, it is possible to start a room ventilation system in order to reduce the CO₂ concentration by exchanging the air. The current carbon dioxide concentration is also displayed by the app AFRISOhome. The AFRISOhome gateway in conjunction with additional AFRISO smart home products with EnOcean® wireless technology allows the user to configure a whole range of fully customisable, extensible applications.

Version CO₂ sensor: Version without wireless transmission as stand-alone solution.

See operating instructions under Downloads for detailed information on the range of the EnOcean® wireless module.

Technical Specifications

Measuring range

0/2000 ppm

Operating temperature range

Ambient: 0/50 °C

Storage: -40/+70 °C

Humidity/moisture: max. 95 % rH

Housing

plastic housing (PC/ABS)
 Colour: white, similar to RAL 9003
 W x H x D: 69 x 69 x 31 mm
 Weight: 108 g
 Degree of protection: IP 20 (EN 60529)

Supply voltage

AC 100 – 240 V via Euro mains socket

Nominal power

2.5 VA

visual indication

LED green: < 1,000 ppm CO₂
 LED yellow: 1,000–1,500 ppm CO₂
 LED red: > 1,500 ppm CO₂

EnOcean® wireless

EEP: A5-09-09
 Frequency: 868.3 MHz
 Transmission power: max. 10 mW
 Range: 10 – 30 m (depending on room arrangement and materials in the building)

necessary additional components

- AFRISOhome gateway

Versions

Part no.

CO ₂ measuring instrument CM 10 E	with EnOcean® wireless module	●	79131
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- in-stock items
- Non-stock items