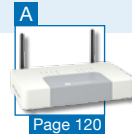


# CO<sub>2</sub> sensor



- **Monitoring of room air quality**
- **Compact, unobtrusive design**
- **Visual indication of concentration**
- **Mains plug version similar to Schuko® CEE mains plug**
- **With or without EnOcean® wireless technology**



Flexible use in buildings due to integrated mains plug.

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**Application** For continuous monitoring of the carbon dioxide (CO<sub>2</sub>) 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** CO<sub>2</sub> sensor with infrared technology in plastic housing, for connection to a standard CEE socket. The CO<sub>2</sub> concentration is indicated directly at the device by a colour scale:

- LED green: No ventilation required
- LED yellow: Ventilation recommended
- LED red: Ventilation required

The version CO<sub>2</sub> 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 CO<sub>2</sub> concentration. The current carbon dioxide concentration is also displayed by the AFRISOhome app. The AFRISOhome gateway in conjunction with additional AFRISO products with EnOcean® wireless technology allows the user to configure a whole range of fully customisable, extensible applications.

## Technical specifications

**Measuring range**  
0/2,000 ppm

**Measuring accuracy**  
400/1,250 ppm: ±30 ppm or ±3 %  
of measured value  
1,250/2,000 ppm: ±30 ppm or ±5 %  
of measured value

**Operating temperature range**  
Ambient: 0/50 °C  
Storage: -40/+70 °C  
Humidity: Max. 95 % r.h.

**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 Schuko® CEE mains socket

### Nominal power

2.5 VA

### Visual indication

LED green: < 1,000 ppm CO<sub>2</sub>  
LED yellow: 1,000–1,500 ppm CO<sub>2</sub>  
LED red: > 1,500 ppm CO<sub>2</sub>

### EnOcean® wireless

Frequency: 868.3 MHz  
Transmission power: Max. 10 mW  
Range: 10 to 30 m (depending on room arrangement and materials in the building)

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

DG: L, PG: 4	Part no.	Price €
<b>CO<sub>2</sub> sensor</b>	<b>61241</b>	
<b>CO<sub>2</sub> sensor F, with EnOcean® wireless module</b>	<b>61240</b>	