

CO2 monitor with built-in carbon dioxide sensor

code: U8415

CO2 monitor - carbon dioxide level detector. Although carbon dioxide is invisible and odourless, increased CO₂ content in the room leads to fatigue and decreased mental concentration.



Battery powered device U8415 with external power (optional accessories) is designed to indication of CO₂ concentration inside buildings (schools, conference halls, hospitals, offices, cinemas, theaters etc.).

The level of CO₂ concentration is indicated by the device using three colors. Changes in the indicated states are also signaled acoustically - by a beep. The signaling method can be set by the user using the [COMET Vision](#) software.

The device U8415 is equipped with a maintenance-free and long-term stable NDIR sensor with dual wavelength and multi-point calibration.

Green LED flashes - CO₂ concentration 0 to 1000 ppm

Yellow LED flashes - CO₂ concentration 1001 to 1400 ppm

Red LED flashes - CO₂ concentration 1401 ppm and more

Recorder **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

[Optional CO₂ measuring range extension from the standard 0 to 5,000 ppm up to 0 to 10,000 ppm \(available at extra cost\):](#)

- **Extended measuring range:** 0 to 10 000 ppm
- **Accuracy in extended range:** 100 ppm + 5% of the measured value at 25 °C and 1013 hPa

Technical data

CO2 SENSOR	
Measuring range	0 to 5000 ppm
Accuracy	±(50 ppm +3% from reading)
Measurement interval	15 s with external power supply, 2 min on battery power
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	internal CO ₂ sensor
Power	Li-Ion battery A8200, 3.6V/5200mAh

Protection class	IP30
Recommended calibration interval	5 years
Dimensions	61 x 93 x 53 mm
Weight	approx. 250 g
Warranty	3 years