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 CO_2 concentration inside buildings (schools, conference halls, hospitals, offices, cinemas, theaters etc.).

The level of CO_2 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 CO_2 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 CO₂ 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