

## CO2 data logger with built-in sensors - kopie

□□: 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. Datalogger is designed to record CO2 from built-in sensor. In case of exceeded set limits alarms are indicated by LED, LCD and acoustically by built-in beeper.

The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

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

[Optional CO<sub>2</sub> 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

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|                              |                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| CO2 SENSOR                   |                                                                                                                            |
| Measuring range              | 0 to 5000 ppm                                                                                                              |
| Accuracy                     | ±(50ppm +3% from reading) at 25°C and 1013hPa                                                                              |
| Resolution                   | 1 ppm                                                                                                                      |
| GENERAL TECHNICAL DATA       |                                                                                                                            |
| Operating temperature        | -20 to +60 °C                                                                                                              |
| Channels                     | internal sensor for CO <sub>2</sub>                                                                                        |
| Memory                       | 500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode                                             |
| Recording interval           | adjustable from 1 s to 24 h                                                                                                |
| Display and alarm refresh    | adjustable 1 s, 10 s, 1 min                                                                                                |
| Recording mode               | noncyclic - data logging stops after filling the memory<br>cyclic - after filling memory oldest data is overwritten by new |
| Real time clock              | year, leap year, month, day, hour, minute, second                                                                          |
| Power                        | battery SONY Lilon 5200mAh                                                                                                 |
| Protection class             | IP20                                                                                                                       |
| Dimensions                   | 61 x 93 x 53 mm                                                                                                            |
| Weight (including batteries) | approx. 250 g                                                                                                              |
| Warranty                     | 3 years                                                                                                                    |