

CO2 data logger with built-in sensors

code: U8410



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**.

Possibility to [extend the measuring range](#) for an additional charge:

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

Technical data

CO2 SENSOR	
Measuring range	0 to 5000 ppm
Accuracy	$\pm(50\text{ppm} + 3\% \text{ from reading})$ at 25°C and 1013hPa
Resolution	1 ppm
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	internal sensor for CO ₂
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 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