Datalogger for external CO2 probe up to 10.000 ppm with built-in atmospheric pressure sensor

code: U2422



Battery powered datalogger with internal atmospheric pressure sensor and for external CO_2 probe up to 10 000ppm. 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.**

Technical data

CO2 SENSOR	
Measuring range	0 to 10 000 ppm
Accuracy	100 ppm + 5% of the measured value at 23 °C a 1 013 hPa
Measuring range	0 to 50 000 ppm
Accuracy	±(1,5 % from full scale +2% from the measured value)
Resolution	1 ppm
External probe cable length CO2	1, 2 or 4 meters
ATMOSPHERIC PRESSURE SENSOR SENSOR	
Measuring range	700 to 1100 hPa
Accuracy	±1.3 hPa at 23 °C from 800 to 1100 hPa
Resolution	0.1 hPa
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	internal sensor for atmospheric pressure and CO₂ sensor with the cable
Memory	500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode
Recording interval	adjustable from 10 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	Li-Ion battery A8200, 3.6V/5200mAh
Protection class	IP54
Dimensions	61 x 93 x 53 mm
Weight (including batteries)	approx. 260 g
Warranty	3 years