

Datalogger for external CO2 probe up to 50.000 ppm with built-in atmospheric pressure sensor

□□: U2422



Battery powered datalogger with internal atmospheric pressure sensor and for external CO₂ probe up to [10_000ppm or 50_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**.

□□□□

| | |
|---------------------------------|--|
| 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 | |
| Measuring range | 0 to 2000 ppm |
| Accuracy | ±(50ppm +2% from reading) at 25°C and 1013hPa |
| Resolution | 1 ppm |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -20 to +60 °C |
| Channels | internal sensor for atmospheric pressure and CO ₂ 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 | battery SONY Lilon 5200mAh |
| Protection class | IP54 |
| Dimensions | 61 x 93 x 53 mm |
| Weight (including batteries) | approx. 260 g |
| Warranty | 3 years |