

## Temperature, humidity and CO2 data logger with built-in sensors

code: U3430



Datalogger is designed to record temperature, humidity and CO2. 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**

| TEMPERATURE SENSOR        |   |
|---------------------------|---|
| Measuring range           | -20 to +60 °C   |
| Accuracy                  | ±0.4 °C   |
| Resolution                | 0.1 °C  |
| HUMIDITY SENSOR           |   |
| Measuring range           | 0 to 100 % RH   |
| Accuracy                  | ± 1.8 % RH  |
| Resolution                | 0.1% RH   |
| DEW POINT                 |   |
| Measuring range           | -60 to +60 °C   |
| Accuracy                  | $\pm 1.5$ °C at ambient temperature T <25 °C and RH >30 %   |
| Resolution                | 0.1 °C  |
| 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 sensors for temperature, humidity, 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>br>cyclic - after filling memory oldest data is overwritten by new |
| Real time clock           | year, leap year, month, day, hour, minute, second   |
| Power                     | Li-lon battery A8200, 3.6V/5200mAh  |
| Protection class          | IP20  |

| Dimensions                   | 61 x 93 x 53 mm |
|------------------------------|-----------------|
| Weight (including batteries) | approx. 250 g   |
| Warranty                     | 3 years         |