

# 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                  | ±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>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             | IP20                               |
| Dimensions                   | 61 x 93 x 53 mm                    |
| Weight (including batteries) | approx. 250 g                      |
| Warranty                     | 3 years                            |