

## Temperature data logger with built-in sensor

code: U0110



Datalogger is designed for temperature recording.

The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

In case of exceeded set limits alarms are indicated by LED, LCD and acoustically by built-in beeper.

The device **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                                                                                      | -30 to +70 °C                                                                                                              |
| Accuracy                                                                                             | ±0.4 °C                                                                                                                    |
| Resolution                                                                                           | 0.1 °C                                                                                                                     |
| Response time t90 of temperature measurement<br>(temperature step 20°C, air flow approximately 1m/s) | 15 min                                                                                                                     |
| GENERAL TECHNICAL DATA                                                                               |                                                                                                                            |
| Operating temperature                                                                                | -30 to +70 °C                                                                                                              |
| Channels                                                                                             | internal temperature sensor                                                                                                |
| 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                                                                                                | Lithium battery 3.6 V, size AA                                                                                             |
| Protection class                                                                                     | IP67                                                                                                                       |
| Dimensions                                                                                           | 61 x 93 x 32 mm                                                                                                            |
| Weight (including batteries)                                                                         | approx. 120 g                                                                                                              |
| Warranty                                                                                             | 3 years                                                                                                                    |