

## Dual channel temperature data logger for one external Pt1000 probe with internal temperature sensor

code: U0122



Datalogger is designed to record temperature from one external Pt1000 probe and internal temperature sensor.

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                                                                                                                     |
| TEMPERATURE SENSOR - external probe Pt1000 |                                                                                                                            |
| Measuring range                            | -90 to +260 °C                                                                                                             |
| Accuracy                                   | ±0.2 °C (-50 to +100 °C); <br>±0.2 % from reading from +100 to +260 °C;<br> ±0.4 % from reading from -90 to -50 °C         |
| Resolution                                 | 0.1 °C                                                                                                                     |
| GENERAL TECHNICAL DATA                     |                                                                                                                            |
| Operating temperature                      | -30 to +70 °C                                                                                                              |
| Channels                                   | internal temperature + 1x external temperature probe                                                                       |
| 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<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                                                                                                                    |