

## Temperature data logger for four external Pt1000 probes

code: U0141



Datalogger is designed to record temperature from four external Pt1000 probes.

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 - external probe Pt1000                                                        |                                                                                                                            |
| Measuring range                                                                                   | -200 to +260 °C                                                                                                            |
| Accuracy                                                                                          | ±0.2°C; ±0,2 % of the measurement value in a range of +100 to +260 °C                                                      |
| Resolution                                                                                        | 0.1 °C                                                                                                                     |
| Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s) | according to the connected probe                                                                                           |
| GENERAL TECHNICAL DATA                                                                            |                                                                                                                            |
| Operating temperature                                                                             | -30 to +70 °C                                                                                                              |
| Channels                                                                                          | 4x external temperature probe                                                                                              |
| 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. 130 g                                                                                                              |
| Warranty                                                                                          | 3 years                                                                                                                    |