

## Data logger for 2 voltage inputs 0-10V and 2 external temperature probes

code: U0541



Datalogger is designed to record 2 voltage inputs and 2 temperature inputs Pt1000.

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.

Recorder **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

### Technical data

|                                           |                                                                                                                            |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| VOLTAGE INPUT                             |                                                                                                                            |
| Measuring range                           | 0 to 10 V DC                                                                                                               |
| Accuracy                                  | ±10 mV                                                                                                                     |
| Input resistance                          | approx. 130 kΩ                                                                                                             |
| TEMPERATURE INPUT - external probe Pt1000 |                                                                                                                            |
| Measuring range                           | -200 to +260 °C                                                                                                            |
| Accuracy                                  | ±0.2°C; ±0.2 % from reading from +100 to +260 °C                                                                           |
| Resolution                                | 0.1°C                                                                                                                      |
| GENERAL TECHNICAL DATA                    |                                                                                                                            |
| Operating temperature                     | -20 to +60 °C                                                                                                              |
| Channels                                  | 2x voltage input, 2x temperature input Pt1000                                                                              |
| 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 3.6V, size AA                                                                                              |
| Protection class                          | IP20                                                                                                                       |
| Dimensions                                | 61 x 93 x 32 mm                                                                                                            |
| Weight (including batteries)              | approx. 120 g                                                                                                              |
| Warranty                                  | 3 years                                                                                                                    |