

## Data logger for 3 voltage inputs 0-10V and 1 two-state input

code: U5841



Datalogger is designed to record 3 voltage inputs and 1 binary input.

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  |
| BINARY INPUT                           |   |
| Parameters of the voltage contact      | „L“ level input voltage:< 0,8 V(*);<br>„H“ level input voltage:> 2 V;<br>Minimum voltage applicable:0 V;<br>Maximum voltage applicable:+30 V DC   |
| Parameters of the voltage-free contact | Contact resistance in „switched-on“ state:< 10 kOhm;<br>Contact resistance in the „switched-off“ state:> 2 MOhm;<br>Contact voltage in the „switched-off“ state:ca 3 V;<br>Minimum state duration necessary for latching the state:1s |
| GENERAL TECHNICAL DATA                 |   |
| Operating temperature                  | -20 to +60 °C   |
| Channels                               | 3x voltage input, 1x binary input   |
| 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   |