

## Data logger for 3 current inputs 0-20mA and 1 two-state input

code: U6841



Datalogger is designed to record 3 current 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**.

### Included in delivery:

- U6841
- Manual
- Traceable calibration certificate
- Technical support at [discussion forum](#)
- [FREE analytical software COMET Vision](#)

### Technical data

|  |  |
|--|--|
| CURRENT INPUT                          |  |
| Measuring range                        | 0 to 20 mA DC  |
| Resolution                             | better than 1 $\mu$ A  |
| Accuracy                               | $\pm 20 \mu$ A   |
| Input resistance                       | approx. 100 $\Omega$   |
| Minimum current                        | 0 mA (open circuit)  |
| Maximum current                        | limited to approx. 40 mA   |
| BINARY INPUT                           |  |
| Parameters of the voltage contact      | „L“ level input voltage: < 0,8 V(*); „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 $^{\circ}$ C  |
| Channels                               | 3x current 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  |