

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

Art nr: 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](#)

## Tekniska specifikationer

|  |   |
|--|---|
| 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(*);<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 $^{\circ}$ 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  |