

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

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| CURRENT INPUT | |
| Measuring range | 0 to 20 mA DC |
| Resolution | better than 1 μ A |
| Accuracy | $\pm 20 \mu$ A |
| Input resistance | approx. 100 Ω |
| 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; Minimum voltage applicable: 0 V; Maximum voltage applicable: +30 V DC |
| Parameters of the voltage-free contact | Contact resistance in „switched-on“ state: < 10 kOhm; Contact resistance in the „switched-off“ state: > 2 MOhm; Contact voltage in the „switched-off“ state: ca 3 V; 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 cyclic - after filling memory oldest data is overwritten by new |
| Real time clock | year, leap year, month, day, hour, minute, second |

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|------------------------------|-------------------------------|
| 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 |