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 µA
Accuracy	±20 µA
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 °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
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