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(*); „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 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 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