Four channel data logger with pulse and two-state inputs

code: U7844



Data logger is designed to record from four binary inputs or from two pulse and two binary inputs.
The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

Datalogger inputs can be set up for four binary inputs or two binary inputs and two pulse counters.

In case of exceeded set limits alarms are indicated by LED, LCD and acoustically by built-in beeper.

The device **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard.**

Included in delivery:

- U7844
- Manual
- Traceable calibration certificate
- Technical support at discussion forum
- FREE analytical software COMET Vision

Technical data

BINARY INPUT	
Parameters of the voltage contact	„L“ level input voltage:< 0,4 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:> 300 kOhm; Contact voltage in the „switched-off“ state:ca 3 V; Minimum state duration necessary for latching the state:1s
COUNTER INPUT	
Counter parameters	Range 24 bits (16 777 215), possibility of letting the counter overflow
Maximum pulse frequency	configured for voltage input - max. 5kHz configured for a voltage-free or open-collector transistor - max. 200Hz
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	4x binary input nebo 2x binary input a 2x counter
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