Data logger for 3 voltage inputs 0-10V and 1 two-state input, with built-in GSM modem

code: U5841M

GSM datalogger is designed to record 3 voltage inputs and 1 binary input. In case of exceeded set limits, SMS and JSON messages can be sent via GPRS data connection. Measured values can be sent to the internet storage COMET Cloud, which is a complete monitoring, alarm and analysis system.

It is also possible to set the regular sending of JSON messages to COMET Database, the sending interval is adjustable. Alarms are also indicated locally by LED, LCD and acoustically by built-in beeper.
The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via included USB-C cable.

GSM 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	±20 µA
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	battery SONY LiIon 5200mAh
Protection class	IP20
Dimensions	61 x 93 x 53 mm, with antenna 120 x 93 x 53 mm
Weight (including batteries)	approx. 270 g

Warranty	3 years