

IoT Wireless Four channel Datalogger with pulse and two-state inputs, with built-in GSM modem

code: U7844M



GSM datalogger is designed to record from four binary inputs or from two pulse and two binary inputs. 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 datalogger inputs can be set up for four binary inputs or two binary inputs and two pulse counters.

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

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	battery SONY Lilon 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