

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

code: U7844Msim



IoT Wireless Datalogger kit with built-in GSM modem and Flat Rate SIM Card allows the instant connection to the COMET Cloud. IoT Datalogger is designed to record from four binary inputs or from two pulse and two binary inputs. In case of exceeded set limits e-mail is sent from the [COMET Cloud](#).

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

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