IoT Wireless Datalogger for 3 current inputs 0-20mA and 1 two-state input, with built-in 2G modem and Flat Rate SIM Card

code: U6841Msim



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 3 current inputs and 1 binary input. 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.**

With a newly purchased IoT wireless datalogger with a built-in modem, you receive 3 months of COMET Cloud for free; a full year of operation in COMET Cloud then requires 1 credit.

Technical data

CURRENT INPUT	
Measuring range	0 to 20 mA DC
Resolution	better than 1 µA
Accuracy	±20 µA
Input resistance	approx. 100 Ω
Minimum current	0 mA (open circuit)
Maximum current	limited to approx. 40 mA
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
GSM MODEM PARAMETERS	
Quad-band	850/900/1800/1900MHz
Compliant to GSM	Phase2/2+
GPRS	GPRS mobile station class B
Class 4	2W @ 850/900MHz
Class 1	1W @ 1800/1900MHz
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	3x current input, 1x binary input
Memory	500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode

Recording interval to the internal memory	adjustable from 1 second to 24 hours
Recording interval to the COMET Cloud	from 5 minutes
Interval for measuring and evaluating alarms	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	rechargeable Li-Ion battery A8200, 3.6V/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