Dual channel logger with pulse and binary input



code: S7021

Data logger is designed for record of pulses and two-state events. Values are stored to a non volatile electronic memory. Data transfer to the personal computer for further analysis is performed via USB, RS232, GSM or Ethernet interface by means of a proper communication adapter.
The device **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

For communication with the PC must be from Optional accessories ordered USB adapter or COM adapter or start/stop magnet if is needed to control logging the other way than directly from computer.

Technical data

COUNTER INPUT	
Counter range	in 16 bits mode 0 to 61 695 values in 32 bits mode 0 to 2 021 654 527 values
Signal for binary input	from potential - less contact or two - state voltage signal
Minimum pulse duration at counter input:	1 ms (shorter pulses may not be recorded)
Maximum frequency on binary input	500 Hz
Current through closed contact	30 µA
Voltage across open contact	max 3.6 V
LOW voltage level on binary input	0 to +0,2 V (proud ze vstupu max. 30 µA)
HIGH voltage level on binary input	+3 to +30 V, current to input max. 100 nA
Connector for connection of input signals	CYESN 9 pins
BINARY INPUT	
Minimum pulse duration on binary input	500 ms (shorter pulses will not be recorded)
Maximum frequency on binary input	0,5 Hz (i.e maximum of 5 pulses for 10 s)
Power current of connected contact	3 µA (contact closed)
Voltage across open contact	max 3.6 V
LOW voltage level on binary input	0 to +0.2 V, current from input max. 3 µA
HIGH voltage level on binary input	+3 to +30 V, current to input max. 100 nA
Connector for connection of input signals	CYESN 9 pins
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +70 °C
Channels	1x counter, 1x binary input
Memory	32,000 values
Recording interval	adjustable from 10 s to 24 h
Display and alarm refresh	each 10 s

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 3.6 V; size AA
Battery life	5 years
Protection class	IP67
Dimensions (without connectors)	93 x 64 x 29 mm
Weight (including batteries)	approx. 115 g
Warranty	3 years