Dual channel 0-5V voltage datalogger with display



code: S5021

Data logger is designed for record of voltage. 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 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.

Included in delivery:

- S5021
- Lithium battery 3,6V
- Manual
- Traceable calibration certificate
- Technical support at discussion forum
- FREE analytical software COMET Vision

Technical data

VOLTAGE INPUT	
Voltage measuring range	0 to 5 V ss
Resolution	13 bit
Accuracy	±0.2 % FS
Input resistance	approx. 100 kOhm
Signal for binary input	from potential - less contact or two - state voltage signal
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	2x input 0-5 V
Memory	32,000 values (non-cyclic record)
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	IP20
Dimensions (without connectors)	93 x 64 x 29 mm
Weight (including batteries)	approx. 115 g
Warranty	3 years