

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

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|---|---|
| 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 μ A |
| Voltage across open contact | max 3.6 V |
| LOW voltage level on binary input | 0 to +0,2 V (proud ze vstupu max. 30 μ A) |
| 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 μ A (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 μ A |
| 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 |

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|---------------------------------|--|
| 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 |