

## 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<BR>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 $\mu$ 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 $\mu$ 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 $\mu$ 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 $\mu$ 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 $^{\circ}$ 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<br>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  |