Thermometer 3 chann.+1 binary input with display



code: S0842

Thermometer is designed for record of temperature. 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:

- S0842
- Lithium battery 3,6V
- Manual
- Traceable calibration certificate
- Technical support at discussion forum
- FREE analytical software COMET Vision

Technical data

TEMPERATURE SENSOR - external probe Pt1000	
Measuring range	-90 to +260 °C
Accuracy	±0.2 °C (-50 to +100 °C); ±0.2 % from reading from +100 to +260 °C; ±0.4 % from reading from -90 to -50 °C
Resolution	0.1 °C
BINARY INPUT	
Signal for binary input	from potential - less contact, connected to connector ELKA 3008V
Minimum pulse duration at binary input	500 ms
Maximum frequency at binary input	0.5 Hz (i.e. maximum 5 pulses in 10 s)
Power current of connected contact	3 µA (contact closed)
Voltage across open contact	max. 3,6 V
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +70 °C
Channels	3x external temperature probe, 1x binary input
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	IP67
Dimensions (without connectors)	93 x 64 x 29 mm
Weight (including batteries)	approx. 115 g
Warranty	3 years