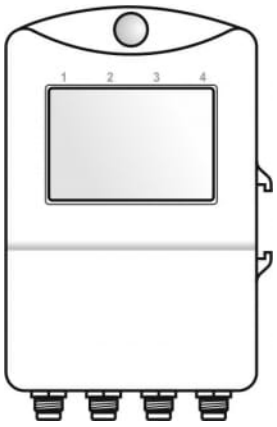
Thermometer for 2 external probes + 2x 0-5V inputs with display



code: S0541

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, LAN adapter or COM adapter or start/stop magnet if is needed to control logging the other way than directly from computer.

Technical data

Operating temperature range	-30 to +70°C
Accuracy of temperature input without probe	±0.2°C from -50 do +100°C ±0.2% from reading from +100 to +260°C ±0.4% from reading from –90 to –50°C
Resolution of the reading	0.1°C
Accuracy of 0-5Vdc inputs	±0.2% FS
Real time clock	year, leap year, month, day, hour, minute, second
Data logging interval	adjustable from 10s to 24h
Display and alarm refresh	each 10 s
Total memory capacity	32000 temperature values in noncyclic logging mode
Data logging mode	noncyclic - data logging stops after filling the memory cyclic - after filling memory oldest data is overwritten by new
Dimensions	93x64x29mm
Power	Lithium battery 3,6V, size AA
Typical battery life	5 years
Battery life in continuous on-line mode with interval 1 minute	reduced to 70% of the above life
Battery life in continuous on-line mode with interval 10 second	1 year
IP protection	IP67 - protected against influence of temporary immersion into water
Weight including battery	130g
Warranty	3 years