Thermo-hygrometer with external probe



code: S3121

Data logger is designed for record of temperature and humidity. 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.

The device is supplied with T+RH probe with 1m cable. Cable lengths 2m or 4m available optionally.

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +105 °C
Accuracy	±0.4 °C (-30 to +80 °C); ±0.5 °C (over +80 °C)
Resolution	0.1 °C
HUMIDITY SENSOR	
Measuring range	0 to 100 % RH
Accuracy	±2.5 % RH from 5 to 95 % at 23 °C
Resolution	0,1 % RH
DEW POINT	
Measuring range	-60 to +80 °C
Accuracy	±1.5 °C at ambient temperature T <25 °C and RH >30 %
Resolution	0.1 °C
GENERAL TECHNICAL DATA	
Operating temperature	electronics -30 to +70 °C, external probe -30 to +105 °C
Channels	1x connectable temperature+humidity probe
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	6 years
Protection class	IP67 electronics; IP30 external probe

Dimensions (without connectors)	93 x 64 x 29 mm; length/diameter of external probe 88/18 mm
External probe cable length	1 meter
Weight (including batteries)	approx. 115 g
Warranty	3 years