Thermo-hygrometer



code: D3631

Thermometer, hygrometer is designed for measurement and datalogging of temperature, relative humidity into the internal non-volatile memory. Free PC program enables to transfer recorded data to the computer for evaluation. LCD backlight.

Data logger is connected to the PC through included USB cable only for data trasfer from the memory. During connection with the PC no measurement and record is enabled.

Temperature and air relative humidity reading, dew point temperature reading selectable, built-in sensors. A Cinch connector for connection of an external RTD Ni1000/6180ppm temperature probe.

Surface, pointed-tip, insertion and other probes with Cinch connector are available. Indication of temperature difference of external probe and dew point. Audio and visual alarm for the temperature difference e.g. for monitoring of condensation or mould creation.

Technical data

TEMPERATURE SENSOR	.
Measuring range	-10 to +60 °C
Accuracy	±0.4 °C
Resolution	0.1 °C
TEMPERATURE SENSOR - external probe Ni1000	.
Measuring range	-50 to +250 °C
Accuracy	±0.2°C from -50 to +100°C ±0.2% from reading from +100 to +250°C
Resolution	0.1 °C
HUMIDITY SENSOR	.
Measuring range	5 to 95 % RH
Accuracy	±2.5 % RH from 5 to 95 % at 23 °C
Resolution	0.1% RH
DEW POINT	.
Measuring range	-40 to +60 °C
Accuracy	±1.5 °C at ambient temperature T <25 °C and RH >30 %
Resolution	0.1 °C
GENERAL TECHNICAL DATA	.
Operating temperature	-10 to +60 °C
Channels	internal temperature and humidity sensor, 1x external temperature probe
Acoustic signalization + backlit LCD	YES
Memory	16,000 values (non-cyclic record)
Recording interval	adjustable from 10 s to 24 h
Measuring interval and display reading refresh	0.7 to 5 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	battery 9 V or 12 Vss adaptor with NiMH 9 V battery
Battery life	approx. 6 months
Protection class	IP20
Dimensions (without connectors)	191 x 71 x 27 mm
Weight (including batteries)	approx. 155 g
Warranty	3 years