Thermometer-hygrometer with magnetic temperature probe for measuring surface temperatures



code: D3633

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. Audio and visual alarm for indication of the temperature difference.

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.

Simultaneous reading of temperature and air relative humidity, dew point temperature reading selectable, built-in sensors. Surface temperature probe with attaching magnets on the instrument bottom. Indication of temperature difference of surface probe and dew point.

Technical data

TEMPERATURE SENSOR	
Measuring range	-10 to +60 °C
Accuracy	±0.4 °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 + internal temperature sensor
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