Thermo-hygro-barometer with external probe



code: D4141

Thermometer, hygrometer, barometer is designed for measurement and datalogging of temperature, relative humidity and atmospheric pressure into the internal non-volatile memory.
Also barometric pressure tendency reading available. Free PC program enables to transfer recorded data to the computer for evaluation.

Audio and optical alarm of measured values.
Memory of minimum and maximum measured values.
Function Hold - manual storing of actual values for later displaying.

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.

Thermometer - hygrometer - barometer with external air temperature-humidity probe on a 1 meter cable. Cable lengths 2 and 4 meters available optionally. Probe diameter is 18mm, length 135mm. Built-in indoor temperature and air pressure sensors.

Technical data

TEMPERATURE SENSOR	
Measuring range	-10 to +60 °C (internal); -30 to +105 °C (external)
Accuracy	±0.4 °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
ATMOSPHERIC PRESSURE SENSOR	
Measuring range	800 to 1100 hPa
Accuracy	±2hPa at 23°C
Resolution	0.1 hPa
GENERAL TECHNICAL DATA	
Operating temperature	electronics -10 to +60 °C, external probe -30 to +105 °C
Channels	internal sensor of temperature and atmospheric pressure, 1x connectable temperature+humidity 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; length/diameter of external probe 135/18 mm
External probe cable length	1 meter
Weight (including batteries)	approx. 155 g
Warranty	3 years