



COMET SYSTEM, s.r.o.

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D4141 Thermo-hygro-barometer



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 transfer 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.

Included in delivery:

- Traceable calibration certificate
- 9V battery
- Instruction manual
- Plastic transport case
- Connector for external ac/dc adapter
- mini USB cable
- Self adhesive Dual Lock for easy installation
- Free basic Windows software is ready to download at folder Download

Technical Data

Technical parameters	Value
Measured Value	Temperature + Relative Humidity + Atmospheric Pressure
Construction Type	With T+RH Probe on Cable
Temperature Measuring Range	-30 to 105 °C
Data Logging Function	Yes
Operating temperature range	-10 to +60°C
Temperature sensor	RTD Ni1000/6180ppm
Accuracy of temperature measurement with built-in sensor	±0.4°C
Accuracy of air humidity measurement	±2.5%RH from 5 to 95% at 23°C, resolution 0.1%
Accuracy of dew point measurement	1.5 °C at ambient T < 25°C and RH>30%, range -60 to +80 °C
Accuracy of air pressure measurement	±2hPa at 23°C, resolution 0.1hPa

Barometric pressure tendency reading	in hPa - for last three hours
Power	battery 9V
Battery life	2 months typically
Real time clock	year, leap year, month, day, hour, minute, second
PC interface	USB
Sampling interval in data logging mode	18 adjustable values from 10s to 24hours
Total memory capacity	up to 16000 recorded values
Data logging modes	noncyclic - data logging stops after filling the memory cyclic - after filling memory oldest data is overwritten by new
Dimensions	141 x 71 x 27 mm
IP protection	IP20
Weight including battery	approximately 150 g
Warranty	3 years