



COMET SYSTEM, s.r.o.

Bezrucova 2901
756 61 Roznov pod Radhostem
CZECH REPUBLIC
Tel.: +420 571 653 990

E-mail: info@cometsystem.com

D3121 Thermo-hygrometer



code: D3121

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 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.

Simultaneous reading of temperature and relative humidity, dew point temperature reading selectable, external temperature-humidity probe with 1meter cable. Cable lengths 2 and 4 meters available optionally. Probe diameter is 18mm, length 135mm.

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
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
Power	battery 9V

Battery life	4 months typically
Real time clock	year, leap year, month, day, hour, minute, second
PC interface	USB
Sampling interval in data logging mode	10s to 24hours (18 adjustable intervals)
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, probe length 135mm, probe diameter 18mm
IP protection	IP20
Weight including battery without probe	approximately 150g
Warranty	3 years