# Thermo-hygrometer with external probe, cable 2 meters



code: D3121-2

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 trasfer 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.

## Technical data

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| TEMPERATURE SENSOR | |
| Measuring range | -30 to +105 °C |
| 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 | -50 to +80 °C |
| Accuracy | ±1.5 °C at ambient temperature T <25 °C and RH >30 % |
| Resolution | 0.1 °C |
| GENERAL TECHNICAL DATA | |
| Operating temperature | electronics -10 to +60 °C, external probe -30 to +105 °C |
| Channels | 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 |

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| Recording mode | noncyclic - data logging stops after filling the memory<br>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 electronics, IP40 sensors |
| Dimensions (without connectors) | 191 x 71 x 27 mm; length/diameter of external probe 135/18 mm |
| External probe cable length | 2 meters |
| Weight (including batteries) | approx. 150 g |
| Warranty | 3 years |