

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 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. Probe diameter is 18mm, length 135mm. Built-in indoor temperature and air pressure sensors.

Technical data

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| 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) |

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| 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 |