

## Thermo-hygro-barometer

code: D4130



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. 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 air relative humidity, dew point temperature and air pressure reading selectable, built-in sensors, barometric pressure tendency reading for last 3 hours.

### Technical data

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|--|--|
| TEMPERATURE SENSOR                             |  |
| Measuring range                                | -10 to +60 °C  |
| Accuracy                                       | ±0.4 °C  |
| Resolution                                     | 0.1 °C   |
| HUMIDITY SENSOR                                |  |
| Measuring range                                | 5 to 95 % RH   |
| Accuracy                                       | ±2.5 % RH from 5 to 95 % at 23 °C  |
| Resolution                                     | 0.1% RH  |
| DEW POINT                                      |  |
| Measuring range                                | -40 to +60 °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                          | -10 to +60 °C  |
| Channels                                       | internal sensor of temperature, humidity sensor and atmospheric pressure |
| 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<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   |
| Dimensions (without connectors) | 191 x 71 x 27 mm   |
| Weight (including batteries)    | approx. 155 g  |
| Warranty                        | 3 years  |