

## Thermo-hygrometer

code: D3120



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.

Simultaneous reading of temperature and relative humidity, dew point temperature reading selectable, built-in sensors.

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.

### Technical data

|  |  |
|--|--|
| 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   |
| GENERAL TECHNICAL DATA                         |  |
| Operating temperature                          | -10 to +60 °C  |
| Channels                                       | internal temperature and humidity sensor   |
| 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       |