

## Thermometer-hygrometer with magnetic temperature probe for measuring surface temperatures

code: D3633



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 visual alarm for indication of the temperature difference.

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 reading selectable, built-in sensors. Surface temperature probe with attaching magnets on the instrument bottom. Indication of temperature difference of surface probe and dew point.

### 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 + internal temperature 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          |