# Thermo-hygrometer for external temperature probe



code: S3631

Data logger is designed for record of temperature and humidity. Values are stored to a non volatile electronic memory. Data transfer to the personal computer for further analysis is performed via USB, RS232, GSM or Ethernet interface by means of a proper communication adapter.
The device **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

For communication with the PC must be from Optional accessories ordered USB adapter or COM adapter or start/stop magnet if is needed to control logging the other way than directly from computer.

## Technical data

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| TEMPERATURE SENSOR | |
| Measuring range | -30 to +70 °C |
| Accuracy | ±0.4 °C |
| Resolution | 0.1 °C |
| TEMPERATURE SENSOR - external probe Pt1000 | |
| Measuring range | -90 to +260 °C |
| Accuracy | ±0.2 °C (-50 to +100 °C); <br>±0.2 % from reading from +100 to +260 °C;<br> ±0.4 % from reading from -90 to -50 °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 +70 °C |
| Accuracy | ±1.5 °C at ambient temperature T <25 °C and RH >30 % |
| Resolution | 0.1 °C |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -30 to +70 °C |
| Channels | internal temperature and humidity sensor, 1x external temperature probe |
| Memory | 32,000 values (non-cyclic record) |
| Recording interval | adjustable from 10 s to 24 h |
| Display and alarm refresh | each 10 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 | lithium battery 3.6 V; size AA |
| Battery life | 6 years |
| Protection class | IP67 electronics; IP30 sensors |
| Dimensions (without connectors) | 93 x 64 x 29 mm |
| Weight (including batteries) | approx. 115 g |
| Warranty | 3 years |