# Temperature and humidity data logger with connector for another temperature probe

code: U3631



Datalogger is designed to record temperature and humidity from built-in sensors and from one external temperature probe Pt1000.
The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

In case of exceeded set limits alarms are indicated by LED, LCD and acoustically by built-in beeper.

Recorder **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard.**

## 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 in the range -90 °C to +100 °C<br> ±0.2 % of the measured value in the range +100 °C to +260 °C |
| Resolution | 0.1 °C |
| HUMIDITY SENSOR | |
| Measuring range | 0 to 100 % RH |
| Accuracy | ± 1.8 % RH |
| 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 | 500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode |
| Recording interval | adjustable from 1 s to 24 h |
| Display and alarm refresh | adjustable 1 s, 10 s, 1 min |

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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 3.6V, size AA |
| Protection class | IP67 electronics; IP30 sensors |
| Dimensions | 61 x 93 x 32 mm |
| Weight (including batteries) | approx. 120 g |
| Warranty | 3 years |