

## Thermo-hygrometer with external probe, cable 1 meter

code: S3121



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.

The device is supplied with T+RH probe with 1m cable.

### Technical data

|                                 |                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| TEMPERATURE SENSOR              |                                                                                                                            |
| Measuring range                 | -30 to +105 °C                                                                                                             |
| Accuracy                        | ±0.4 °C (-30 to +80 °C); ±0.5 °C (over +80 °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 +80 °C                                                                                                              |
| Accuracy                        | ±1.5 °C at ambient temperature T <25 °C and RH >30 %                                                                       |
| Resolution                      | 0.1 °C                                                                                                                     |
| GENERAL TECHNICAL DATA          |                                                                                                                            |
| Operating temperature           | electronics -30 to +70 °C, external probe -30 to +105 °C                                                                   |
| Channels                        | 1x connectable temperature+humidity probe                                                                                  |
| Memory                          | 32,000 values (non-cyclic record)                                                                                          |
| Recording interval              | adjustable from 10 s to 24 h                                                                                               |
| Display and alarm refresh       | each 10 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                           | lithium battery 3.6 V; size AA                                                                                             |
| Battery life                    | 6 years                                                                                                                    |
| Protection class                | IP67 electronics; IP30 external probe                                                                                      |
| Dimensions (without connectors) | 93 x 64 x 29 mm; length/diameter of external probe 88/18 mm                                                                |

|                              |               |
|------------------------------|---------------|
| External probe cable length  | 1 meter       |
| Weight (including batteries) | approx. 115 g |
| Warranty                     | 3 years       |