

## 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<br>88/18 mm |
| External probe cable length     | 1 meter  |
| Weight (including batteries)    | approx. 115 g  |
| Warranty                        | 3 years  |