

# Temperature and humidity data logger with built-in sensors

code: U3120



Datalogger is designed to record temperature and humidity. 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

|                              |  |
|------------------------------|--|
| TEMPERATURE SENSOR           |  |
| Measuring range              | -30 to +70 °C  |
| Accuracy                     | ±0.4 °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   |
| 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  |
| 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   |
| Protection class             | IP67 electronics; IP30 sensors   |
| Dimensions                   | 61 x 93 x 32 mm  |
| Weight (including batteries) | approx. 120 g  |
| Warranty                     | 3 years  |