

# Temperature, humidity and CO2 data logger with built-in sensors

Art nr: U3430



Datalogger avsedd för loggning av temperatur och luftfuktighet och CO2.

Värdena sparas på ickeflyktigt minne och kan också överföras till PC via USB.

Enheten levereras med ett spårbart kalibreringscertifikat i enlighet med kraven i **EN ISO/IEC 17025**.

## Tekniska specifikationer

|                                            |                                                                                                                    |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| TEMPERATURE SENSOR                         |                                                                                                                    |
| Measuring range                            | -20 to +60 °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                                   | ± 1.8 % RH                                                                                                         |
| Resolution                                 | 0.1% RH                                                                                                            |
| DEW POINT                                  |                                                                                                                    |
| Measuring range                            | -60 to +60 °C                                                                                                      |
| Accuracy                                   | ±1.5 °C at ambient temperature T <25 °C and RH >30 %                                                               |
| Resolution                                 | 0.1 °C                                                                                                             |
| CO2 SENSOR                                 |                                                                                                                    |
| Measuring range                            | 0 to 5000 ppm                                                                                                      |
| Accuracy                                   | ±(50ppm +3% from reading) at 25°C and 1013hPa                                                                      |
| Resolution                                 | 1 ppm                                                                                                              |
| GENERAL TECHNICAL DATA                     |                                                                                                                    |
| Operating temperature                      | -20 to +60 °C                                                                                                      |
| Channels                                   | internal sensors for temperature, humidity, CO<sub>2</sub>                                                         |
| 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                        | Li-Ion battery A8200, 3.6V/5200mAh                                                                                         |
| Protection class             | IP20                                                                                                                       |
| Dimensions                   | 61 x 93 x 53 mm                                                                                                            |
| Weight (including batteries) | approx. 250 g                                                                                                              |
| Warranty                     | 3 years                                                                                                                    |