# WIRELESS HUMIDITY AND TEMPERATURE DATA LOGGER

## KH 30

- Transport and storage of perishable goods (food, wine, etc.)
- Transport and storage of sensitive products (medical, biological, etc.)
- Transport and storage of precious objects (furniture, paintings, musical instruments, etc.)
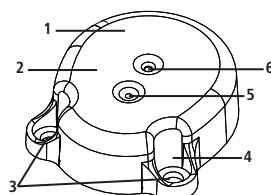- Wireless measurement in sealed containers (laboratories, R&D, etc.)

## Technical specifications

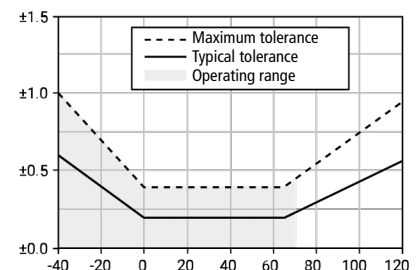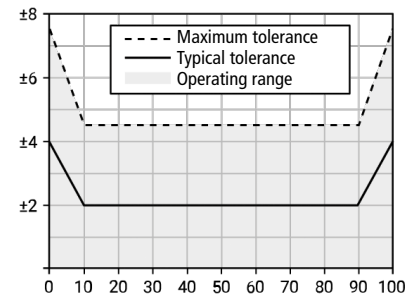| Parameter | Humidity | Temperature |
|---|---|---|
| Range | 0 to 100 %RH | -40 to 70 °C / -40 to 158 °F |
| Accuracy | Typ. ±2.0 %RH<br>Max. ±4.5 %RH (10 %RH-90 %RH)<br>Max. ±7.5 %RH (<10 %RH, >90 %RH) | Typ. ±0.2 °C / ±0.4 °F<br>Max. ±0.4 °C / ±0.8 °F (0 °C - 65 °C / 32 °F - 149 °F)<br>Max. ±1.0 °C / ±1.8 °F (<0 °C, >65 °C / <32 °F, >149 °F) |
| Resolution | 0.06 %RH | 0.09 °C / 0.09 °F |
| Drift | <0.25 %RH/year | <0.03 °C / <0.06 °C /year |

## General features

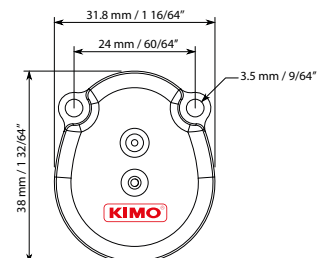| | |
|---|---|
| Battery | Button cell: CR2450 (non-replaceable) |
| Standards & Directives | 2014/53/EU; EMV 2014/30/EU; RoHS 3; Reach |
| Protection | IP 68 |
| Autonomy (with a 540 mAh battery) | 3.5 years with 1 measurement per second<br>8 years with 1 measurement every 10 seconds |
| Recording capacity | Temperature on 11 bits, res. 0.09 °C / Humidity on 11 bits, res. 0.06%:<br>Min. 172,000 temperature/humidity recordings.<br>120-day history with one measurement per minute. |
| Operating conditions (°C, °F / %RH / m, yd / MPa, bar) | -40 to 70 °C / -40 to 158 °F<br>Working pressure (experimental laboratory tests):<br>Working altitude: 0 to 2000 m / 0 to +2188 yd<br>Working absolute pressure: 0.05 MPa to 2 MPa (20 bar)<br>Typical RH error, with absolute air pressure:<br>0.05 MPa to 0.3 MPa (3 bars): -0.35% /MPa (-0.035% /bar)<br>0.3 MPa to 2 MPa (20 bars): -0.49% /MPa (-0.049% /bar) |
| Storage temperature | -40 to 70 °C / -40 to 158 °F |
| Bluetooth | Frequency band: Bluetooth LE 2402MHz to 2480MHz ISM Band<br>Maximum RF output power: < 4 dBm<br>BLE 5.0 Low Energy. Range: 10 m / 32' without obstacles |

## Description

1 - Low Energy wireless communication - Data recording
2 - IP68 sealed shell
3 - Easy to attach
4 - Integrated CR2450 battery. Battery life up to 8 years
5 - LED indication and identification
6 - High precision temperature and humidity sensor

## Dimensions

31.8 mm / 1 16/64"
24 mm / 60/64"
3.5 mm / 9/64"
38 mm / 1 32/64"

**Kimo Track**
Secure app for accessing temperature and humidity graphs

FREE APP

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**Kimo, a Sauermann brand.**