

FICHE TECHNIQUE



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 Max. ± 4.5 %RH (10 %RH-90 %RH) Max. ± 7.5 %RH (<10 %RH, >90 %RH)	Typ. ± 0.2 °C / ± 0.4 °F Max. ± 0.4 °C / ± 0.8 °F (0 °C - 65 °C / 32 °F - 149 °F) 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 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%: Min. 172,000 temperature/humidity recordings. 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
Working pressure (experimental laboratory tests):
Working altitude: 0 to 2000 m / 0 to +2188 yd
Working absolute pressure: 0.05 MPa to 2 MPa (20 bar)
Typical RH error, with absolute air pressure:
0.05 MPa to 0.3 MPa (3 bars): -0.35% /MPa (-0.035% /bar)
0.3 MPa to 2 MPa (20 bars): -0.49% /MPa (-0.049% /bar)

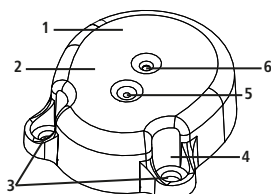
Storage temperature

-40 to 70 °C / -40 to 158 °F

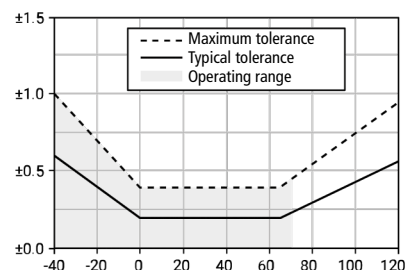
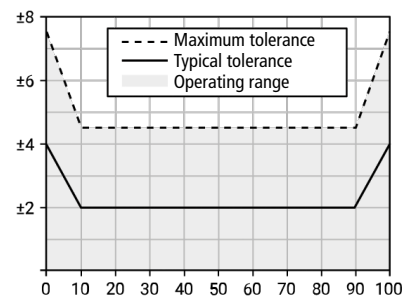
Bluetooth

Frequency band: Bluetooth LE 2402MHz to 2480MHz ISM Band
Maximum RF output power: < 4 dBm
BLE 5.0 Low Energy. Range: 10 m / 32' without obstacles

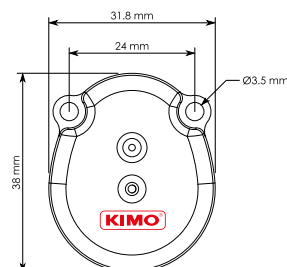
Description



- 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



Kimo Track

Secure app for accessing temperature and humidity graphs



KIMO Instruments

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