

Compact Bluetooth® module for secure temperature and humidity recording

Typical applications :

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

ref : THEye TH-2 ISO

Humidity

Range : 0% to 100% RH

Accuracy : Typ. $\pm 2.0\%$
 Max. $\pm 4.5\%$ (10% – 90%)
 Max. $\pm 7.5\%$ (<10%, >90%)

Resolution : 0.06%

Drift : <0.25%RH/yr

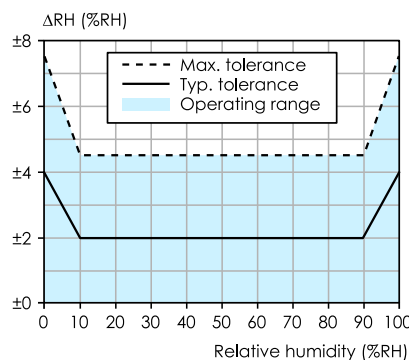
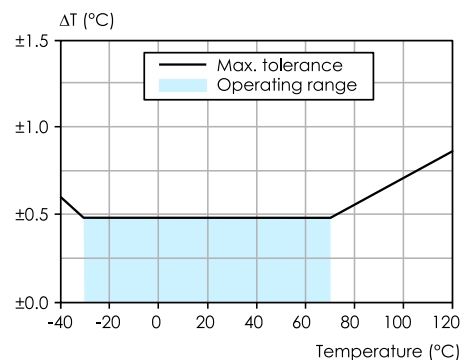
Temperature

Range : -30°C to +70°C

Accuracy : Max. $\pm 0.48^\circ\text{C}$ (-30°C – 70°C)
 Max. $\pm 0.9^\circ\text{C}$ (<-30°C, >70°C)

Resolution : 0.09°C

Drift : <0.01°C/yr



Dimensions / Battery / Standards

- Width : 31.8mm
- Length : 38mm
- Height : 11.5mm
- Button cell : CR2450 (non replaceable)
- IP 68, CE
- Temperature calibration certified according to ISO/IEC 17025

Autonomy

Autonomy (with a 540mAh battery) :

- 7 years with one measurement every 10 seconds
 - 8 years with one measurement every minute
- These calculations assume two 1-minute connections per week.

Recording capacity :

- Temperature on 11bit, res 0.09°C / Humidity on 11bit, res 0.06% :
 • Min. 172'000 Temperature / Humidity points.
 → 120 day history with one measurement per minute.

Operating temperature :

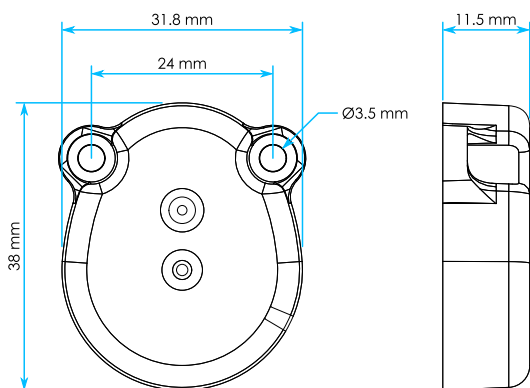
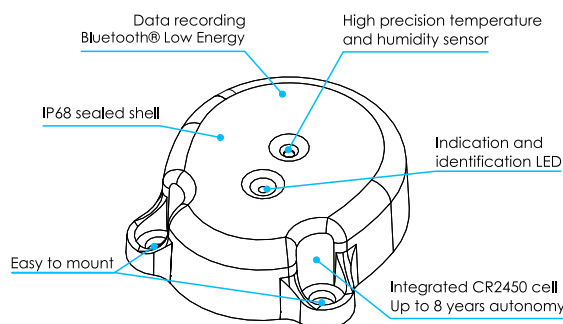
- -40°C +70°C

Communication

Bluetooth® 5 LE

Application

Secure application for temperature and humidity graphs
 « THEye Controller » available for download.



by FiveCo