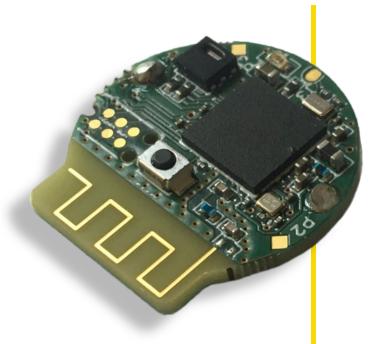
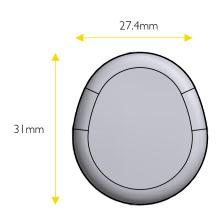
FMod-BTH TI



20mm





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Compact Bluetooth module for secure temperature and humidity recording

Typical applications:

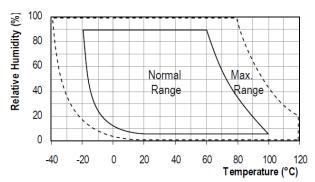
- Cold chain monitoring (food, ...)
- Transport of precious objects
- Etc.

Humidity

- Range: typ 5 to 90% (see graph)
- Accuracy: typ ± 2.0%
- \bullet Max \pm 3.0% between 20 and 80% RH, \pm 5.0% outside of this range

Temperature

- Range: typ: -20 to 100°C (see graph)
- Accuracy: typ ± 0.3°C
- Max: ±0.4°C between 5 and 60°C, ±1.6°C outside of this range



Dimensions / Battery

- PCB diameter: 20mm
- PCB height: Diam + Imm
- Thickness: 6.7mm without the box
- Button cell: CR1632

Autonomy / Consumption

Consumption:

- ~7uA in standby (with an ad every 10 seconds)
- + 50uAs for each measurement

Autonomy (with a I30mAh battery):

- 76 days with one measurement per second
- 360 days with one measurement / 10 seconds
- 550 days with one measurement/minute

Amount of recordable values

(Temperature on 11bit, res 0.09°C / Humidity on 11bit, res 0.06%):

- 174'000 Temperature / Humidity measurements
 - → Autonomy of I20 days with one measurement per minute

Communication

Bluetooth 5 LE

Application

Secure application for recording temperature and relative humidity data

For more information

Contact us by e-mail at info@fiveco.ch