

Temperature & Humidity Sensor

DOC ver.: BQW_03_0020.001



Features

- EU, US, and Asia frequency supported
- LoRaWAN 1.0.3
- Temperature Accuracy: +/- 1°C
- Humidity Accuracy: +/- 5%
- IP40 equivalent
- 0 to 50°C operation temperature range

The Tabs temperature and humidity sensor is designed for in-home and in-building usage for consumer or facility management applications. The design is optimized for high volume manufacturing, optimal battery lifetime, and pleasing aesthetics for in-building placement.

Specification

Frequency	868MHz & 915MHz
RF TX power	US: +19dBm EU: +17dBm
Antenna Gain	-2dBi Peak, -5dBi Avg
RF Sensitivity	-135dBm
Battery Type	3.6V ½ AA Li-SOCI2, 1200mAh
Battery Lifetime*	Up to 16 months
Average Current	135mA maximum / 100uA minimum
Protocol	LoRaWAN 1.0.3
Operation Temperature	0 to 50°C
Environmental Rating	IP40 equivalent
Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery
Temperature Accuracy	+/- 1°C
Humidity Accuracy	+/- 5%
Type Approval	CE/FCC/IC

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SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBHH100-868	Europe	8	EU868 (862~870)
TBHH100-915	USA	16	US915 (902~928)

* Samples are also available for IN865, AS923, AU915, KR920.