

# Water Leak Sensor

DOC ver.: BQW\_03\_0025.004



## Features

- EU, US frequency support
- LoRaWAN 1.0.3
- Combined with temperature, humidity and water leak detection functions
- Detachable long cable(1 M) for detection
- To avoid expensive repairs and loss of treasured items
- Combined with temperature, humidity and water leak detection sensors
- Micro USB port for detachable probe
- 0 to 50°C operation temperature range

The Water Leakage Sensor utilizes LoRaWAN connectivity to send uplink notification when water leak is detected.

## 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-SOCl <sub>2</sub> , 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	IP50 equivalent
Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery
Water Sensing probe	Micro-USB type connector, 1 M long cable
Humidity Accuracy	+/- 5%
Temperature Accuracy	+/- 1°C

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## SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBWL100-868	Europe	8	EU868 (862~870)
TBWL100-915	USA	16	US915 (902~928)

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