

Tank Level Sensor

Doc ver.: BQW_03_0044.002



Features

- Compliance to LoRaWAN1.0.3
- IP66 equivalent
- Device Battery Motoring
- Positioning via Wi-Fi Scanning
- Configurable settings via Bluetooth with mobile app
- Support F/W upgrade OTA
- Support tank pressure monitoring with a separated BLE transducer sensor

Browan's **Tank Level Sensor** is a revolutionary solution that redefines convenience and precision in liquid storage management. Through cutting-edge LoRaWAN® communication technology, maintain seamless connectivity to real-time tank-level data from anywhere. Embrace a new era where manual checks are replaced by high-precision monitoring, providing you with accurate insights, complemented by the sensor's exceptional durability for consistent performance.

Specification

Model Name	L0010
Frequency	EU 868 MHz US 902~928 MHz
Antenna Gain	LoRa: -0.8dBi Peak Wi-Fi: 2.5dBi Peak
RF Sensitivity	LoRa: -130dBm (SF=12) Wi-Fi : - 90 dBm (802.11b)
Battery Type	3.6V Lithium battery (ER34615), 19000mAh
Battery Lifetime*	Up to 5 years. *Note: Battery life is primarily influenced by the reporting frequency. Other factors include moisture and high temperature.
Min. Current	180 μ A (Sleeping mode)
Protocol	LoRaWAN 1.0.3
Operation Temperature	-30 to 55°C
Environmental Rating	IP66 equivalent
Dimensions	171mm x 99mm x 57mm
Weight	385 g
Sensor	<ul style="list-style-type: none">• Hall linear sensor<ul style="list-style-type: none">• A combination of 4 hall effect sensors for detecting magnetic float• Hall effect sensor<ul style="list-style-type: none">• detection range: 1cm
Type Approval	CE/FCC/IC in progress

SKU Detail

SKU	Country	Frequency Band (MHz)
L0010-915	USA	US915 (902~928)
L0010-868	Europe	EU868 (862~870)