



FEATURES



Precision ultrasonic sensor for accurate water level monitoring



Weatherproof and ultra-rugged IP68 housing with compact and ergonomic design



Ultra low power with up to 10 years battery life



Very low cost and ongoing costs

Yabby Ultrasonic Level Sensor

LoRaWAN

OVERVIEW

Low cost durable waterproof LoRaWAN level sensor



APPLICATIONS

- Tank, Trough and Flood Levels
- Water Balance Assessments
- Evaporation and Infiltration Investigations
- Waterway Levels



TECHNICAL SPECIFICATIONS

POWER

Power Supply	4000mAh Li-SOCI2 battery 1.8v ~ 3.6v
Power Consumption	STOP Mode: 2.7µA @ 3.3v RX Mode: 7.2mA TX Mode: 125mA@ 20dbm
Battery Lifetime	Designed for long term use of up to 10 years

ULTRASONIC LEVEL SENSOR

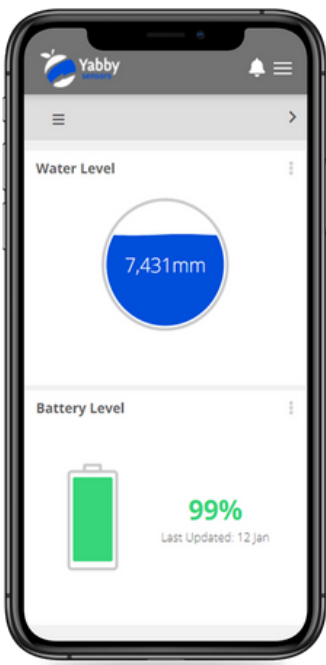
Level Accuracy Accuracy	±(1cm+S*0.3%)
Range	Flat object range 280mm - 7500mm
Cable Length	25cm

PHYSICAL SPECIFICATION

Dimensions	Enclosure 65mm W x 90mm H x 40mm D Length with Gland and Aerial 220mm Sensor 30mm W x 65mm H
Weight	150g
Housing	ABS Plastic
IP Rating	IP68
Operating Temperature	-20°C to +60°C
Flash Memory	192KB

WARRANTY	One year manufacturer's warranty
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Yabby Platform

FEATURES



Monitor environmental sensors and device locations and parameters



Configure sample rates, device outputs and variable alerts



Control device outputs such as pumps, valves and gates



Receive SMS or email alerts based on variable thresholds



Download device data as csv files and images

OVERVIEW

Yabby sensors are remotely monitored with our custom cloud based platform. Interrogate volume and level trends, change sampling intervals and set SMS and email alerts. Our platform is flexible and modular meaning we can set it up the way you like from our library of maps, charts, gauges and controls.

OTHER SERVICES

- Integrate other sensors to our platform
- White label the platform with your company branding
- Send your sensor data to third party platforms

