



Yabby
sensors

Floating Level Sensor Nanosatellite

The remote nanosatellite level sensor and rain gauge is the only one of its type, with the ability to retrieve data from anywhere on earth.

Delivered in partnership with Australian satellite company providing low-cost, low-power, secure direct-to-orbit satellite connectivity for the Internet of Things.



theyabby.com.au

Overview

NANOSATELLITE

Feature-rich battery or external powered data logger featuring an impressive array of inputs/ outputs and sensor interfaces



Nanosatellite - retrieve data from anywhere on earth



Extra inputs available to add a rain gauge or flow



Precision pressure transducer for accurate water level monitoring



Weatherproof, compact and ultra-rugged IP68 housing with easy to opening clip seals rather than screws



Flexible power options - 4 x AA batteries with up to 8 years battery life or wired to permanent power



High-precision GPS



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Physical Specification

Materials	Enclosure - ABS Polycarbonate Plastic Water Level Sensor - Stainless Steel or optional polycarbonate
Dimensions	Enclosure - 151L x 80 W x 60 mm H Water Level Sensor - 110 H x 26.6 mm Diameter Buoy - 550 L x 550 W x 145 mm H
Weight	Sensor box with 5m cable - 3kg Buoy - 4.5 kg
IP Rating	Enclosure - IP68 rated housing Water Level Sensor - IP68

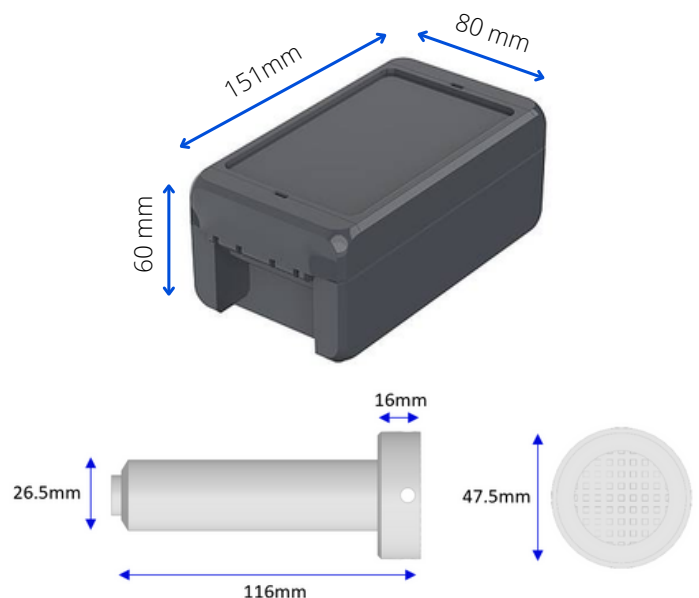
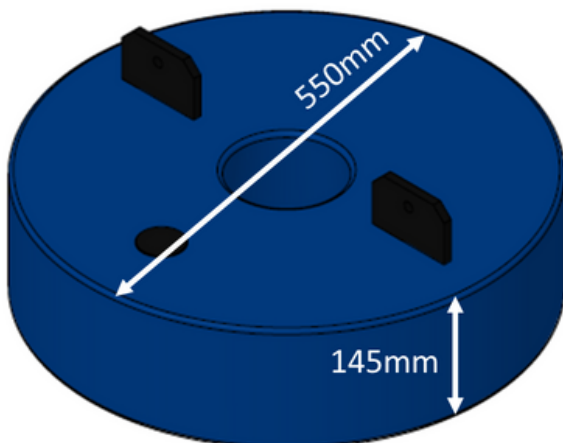
Communication

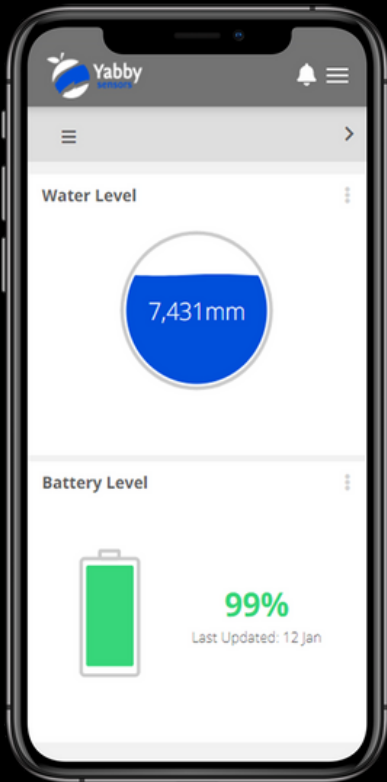
Nanosatellite	- 2 -16 messages per day - Median latency of 2.5hr by June 2022 and 30 min by December 2022
GPS	GNSS for geolocation and tracking
Integration	Third-Party Integration Webhook, TCP or HTTPS

Additional Options Rain Gauge, Flow

Warranty 12 Months from date of purchase

Dimensions Drawings





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

