



HydroTerra

Environmental Monitoring Specialists

Yabby 3

Surface Water Satellite Solar IoT Sensor Hub

Yabby 3 is a Surface Water Satellite Solar Powered IoT sensor hub with multiple integrated sensor options for Surface Water Level, Electrical Conductivity, pH, Turbidity and Temperature monitoring. Various mounting options includes pole, tank, stream and float (dam).



DataStream™

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Overview

Ultra-low power with light weight solar power. Connectivity is provided via SWARM's Satellite Network. With a selection of integrated sensors, you can monitor surface water level, electrical conductivity and temperature. Includes bespoke lightweight aluminum brackets.



Multiple integrated sensors available



The internal module receiver operates with extremely low current while the satellite transceiver can remain completely off for the majority of the time. The satellite transceiver only needs to be briefly powered for message transmissions.



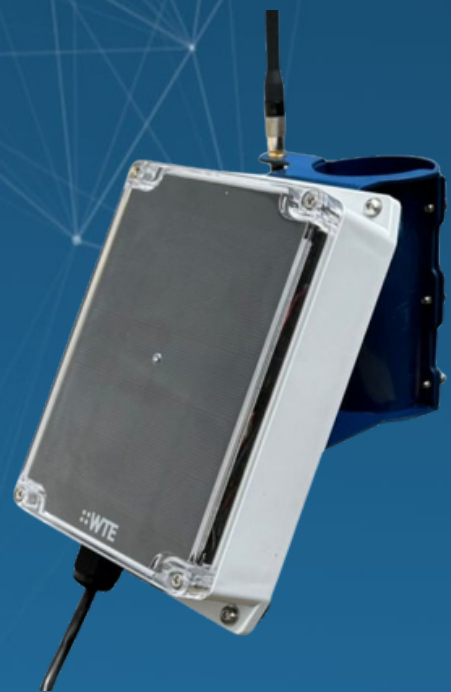
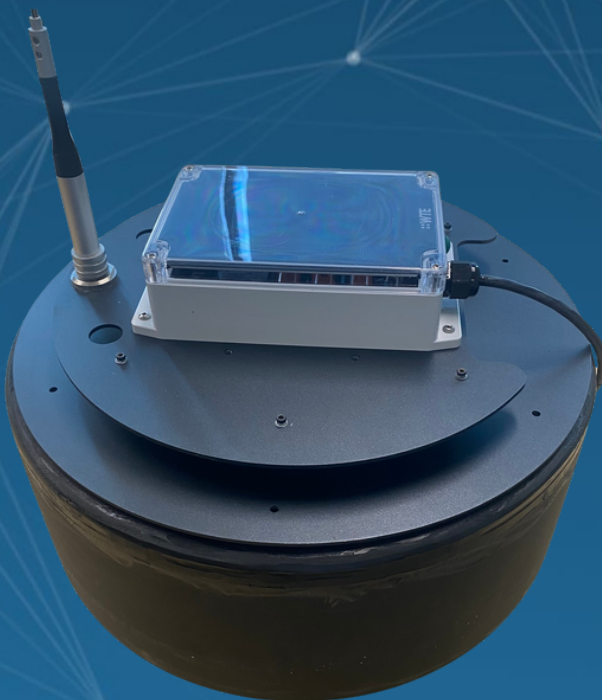
Custom designed weather protected solar panel with rechargeable batteries



Connectivity via low-cost, two-way global satellite connectivity provider SWARM space with a constellation of 120 satellites. SWARM currently provide an median latency of approx. 3 hours and has the largest low-cost data plans available - 144kB to 576kB/month



Incorporates Wireless Technologies, which allows full time receiving of data from a network of IoT sensors, or alternatively forward serial data bursts from third party devices such as dataloggers.



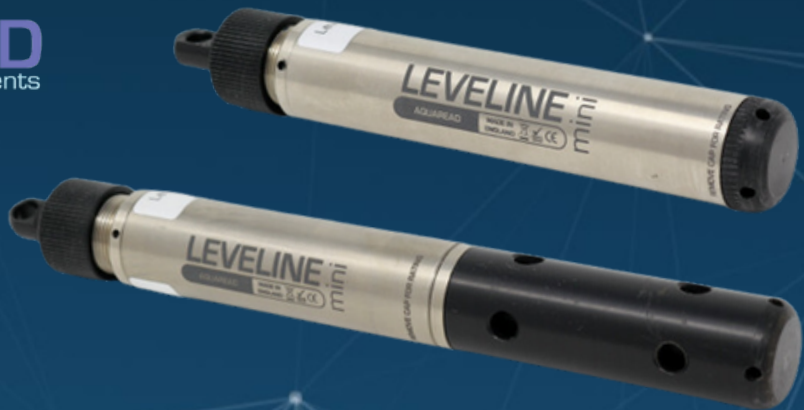
Yabby 3

Integrated Sensors Examples

Seametrics



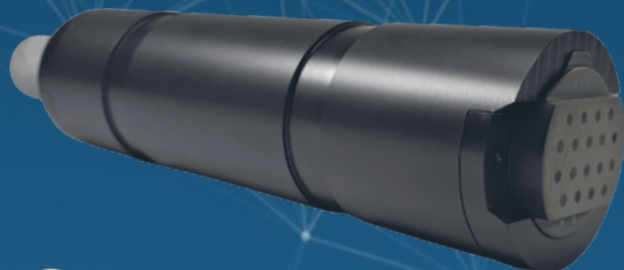
AQUAREAD
water monitoring instruments



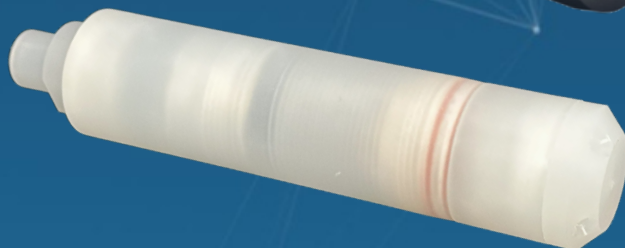
PHATHOM



ANB Sensors



WAK



HydroTerra Platform

FEATURES



Monitor environmental sensors and device locations and parameters



Configure sample rates, device outputs and variable alerts



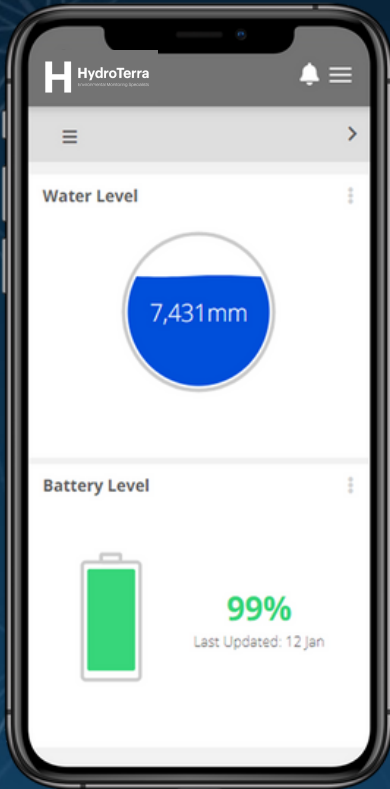
Control device outputs such as pumps, valves and gates



Receive SMS or email alerts based on variable thresholds



Download device data as csv files and images



OVERVIEW

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



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