Stygo 3
Groundwater Satellite Solar IoT Sensor Hub

Stygo 3 is a Groundwater Satellite Solar Powered IoT sensor hub with multiple integrated sensor options for groundwater level, electrical conductivity and temperature monitoring. Various mounting options includes bracket/pole and direct install to groundwater monuments/standpipe covers.
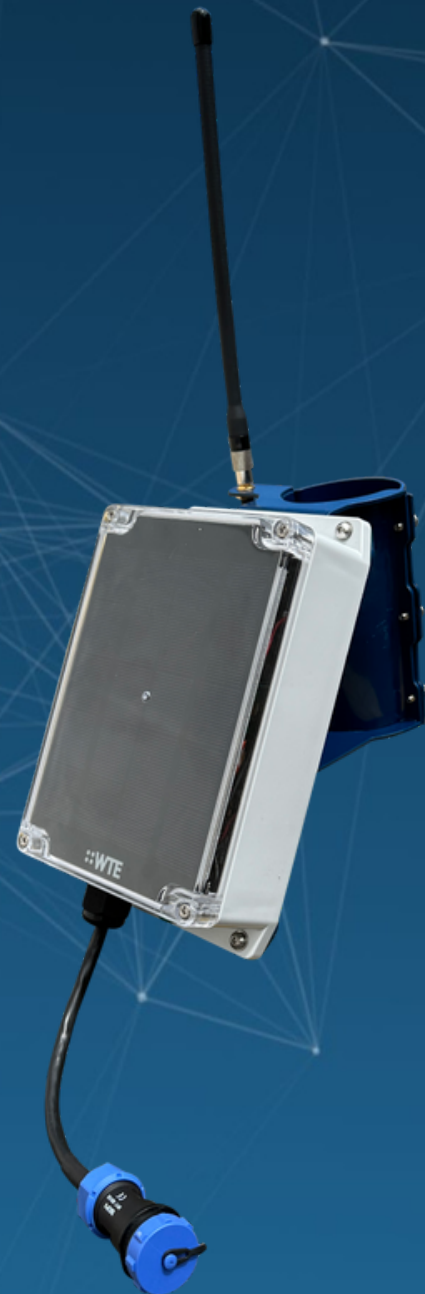
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Overview

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 groundwater level, electrical conductivity and temperature. Includes bepoke 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 or 120 satellites. SWARM currently provide a median latency of approx. 3hrs 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.

Stygo 3
Integrated Level & EC Sensors Examples

HydroTerra Platform

FEATURES

Monitor environmental sensors and device locations and parameters

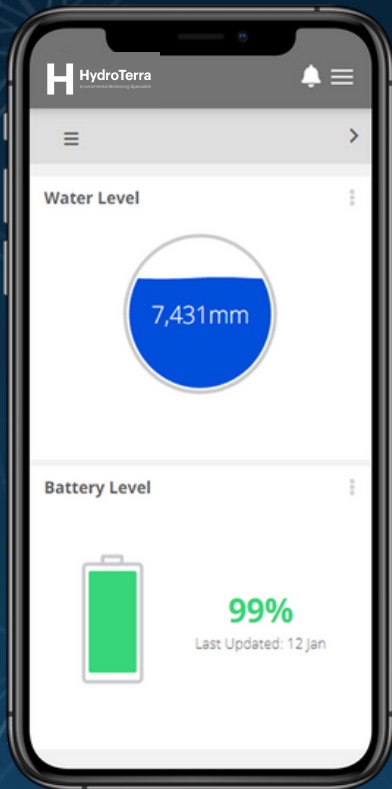Configure sample rates, device outputs and variable alerts

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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