



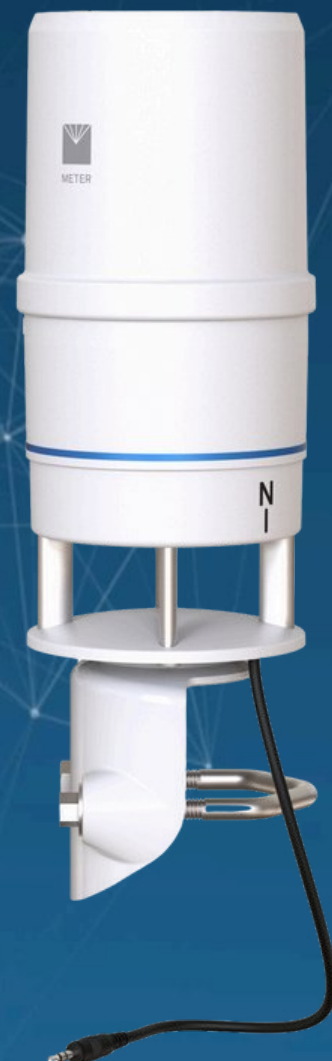
HydroTerra

Environmental Monitoring Specialists

Storm 1

Complete Weather Station with Long Life Battery Powered IoT Telemetry Hub

Storm 1 is a premium weather station integrated with a large battery capacity power source, compact, multi-communications enabled cellular IoT device.



Overview

Cost effective long life battery powered IoT cellular telemetry Hub. Ultra-low power consumption. Connectivity is provided via Telstra's Cellular LTE-M/NB-IoT Network. The hubs are waterproof with an ultra-rugged IP68 housing and bespoke lightweight aluminum bracket.



Smart multi communications transmitter in one compact unit, making remote monitoring easy. Connect to any weather station monitoring sensor for transmission to DataStream.



Ultra-low power consumption only requires 2 x D cell batteries (13.0 Ah Lithium Thionyl). Batteries last up to 5 years based on Weather Station reading and transmitting every hour.

185 x 150 x 30 mm



Over-the-air (OTA) device configuration, management and firmware updates



Cellular connectivity via Telstra's Cellular LTE-M/NB-IoT Network covering over 4 million sq km.



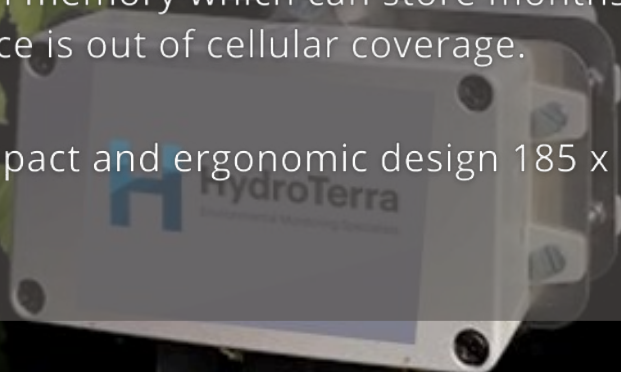
Waterproof IP68 and IK08-rated housing to ensure can withstand impact, fine dust, and brief submersion



Flash memory which can store months of records if device is out of cellular coverage.



Compact and ergonomic design 185 x 150 x 30 mm



ATMOS 41 Gen 2

All-In-One Weather Station

The ATMOS 41 weather station packages 14 weather sensors into a single, compact device for monitoring atmospheric conditions. It was designed for continuous deployment in harsh climates, such as sub-Saharan Africa and the extreme conditions around photovoltaic (PV) systems. There is only one moving part, eliminating virtually all failure points. No oiling or replacing bearings. Just reliability you can continue to count on.

Feature summary

- Research weather station measures 14 weather variables including: air temperature, relative humidity, vapor pressure, barometric pressure, wind speed, gust and direction, solar radiation, dual precipitation, precipitation EC, lightning strike counter and distance
- Wind speed measurements up to 60 m/s
- Easy installation with built-in leveling bracket
- Easy maintenance and serviceability with new side panel for accessing internal components
- Only one moving part
- All weather station data transmitted over a single wire
- WMO-compliant sensor scan rate
- Connect to Storm 2 IoT Telemetry Hub for data capture and management
- Designed for continuous deployment in harsh climates
- No louvered radiation shield to attract bugs
- Accurate at low wind speeds because of limited moving parts will cause friction or fail
- Detects fine-scale wind speed variations with 0.01 m/s resolution
- Integrated weather station accelerometer detects if sensor is off-level
- Integrated spring acts as a rain gauge filter to keep out large particles but still allow enough water flow
- Optional bird deterrent fits perfectly on the weather station funnel



Specifications

[Link to Manual](#)



[Link to Video](#)



HydroTerra Platform

FEATURES



Monitor environmental sensors and device locations and parameters



Configure sample rates, device outputs and variable alerts



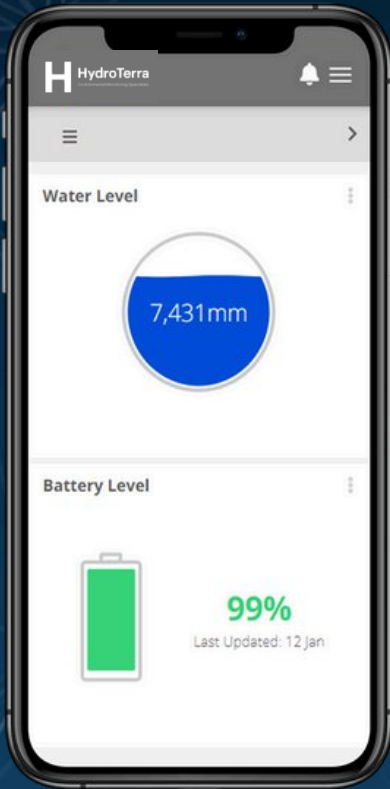
Control device outputs such as pumps, valves and gates



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



DataStream™

by HydroTerra