



HydroTerra

Environmental Monitoring Specialists

Storm 2

Complete Solar Weather Station with High Powered Low Latency IoT Sensor Hub

Storm 2 is a Premium Solar Weather Station integrated with a large battery capacity, solar powered, compact, multi-communications enabled, satellite or cellular IoT device



Designed specifically for remote monitoring that has higher power requirements and/or larger data capture requirements.

Overview

The versatile IoT Sensor hub allows connection to all standard weather stations offering the ability to use across a wide variety of monitoring applications. The ease of use means that field installations can be completed in a fraction of the time of other systems offering significant cost savings and minimising risk by reducing time in the field.



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



Longlife rechargeable internal batteries (16aH) allowing multiple sensors to be connected, sensors that have higher power requirements such as WQ multiprobe's and weather stations and applications that require higher reading and telemetry rates.



Easily change settings, log time, transmission rate, alarms with OTA firmware updates onsite over the Iridium Satellite Network or Cellular Network.



Simply activate Bluetooth by pressing the button and connect via our free mobile Android and Apple mobile app for all your device configuration requirements



Compact form factor option - H 110mm x L 175mm x D 80mm. IP67 waterproof

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



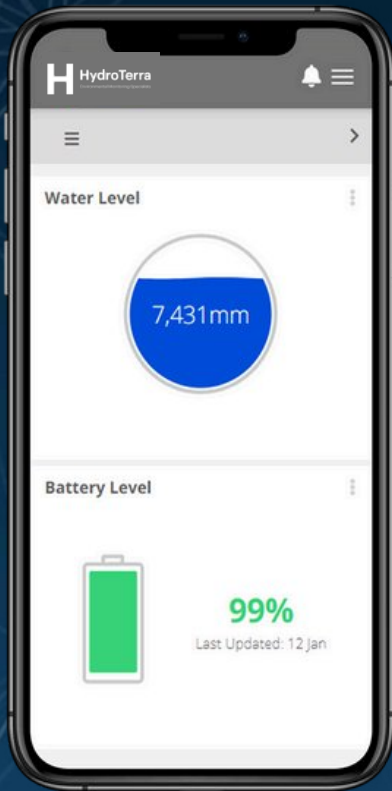
Control device outputs such as pumps, valves and gates



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