

HOBO Weather Stations

HOBO Weather Stations by Onset provide a cost-effective entry into automatic weather station systems. These systems are designed with usability at heart. They consist of a central datalogger and a number of "plug-and-play" smart sensors. They can be scaled up or down according to your requirements and offer the ability to have a customised station without breaking the bank.

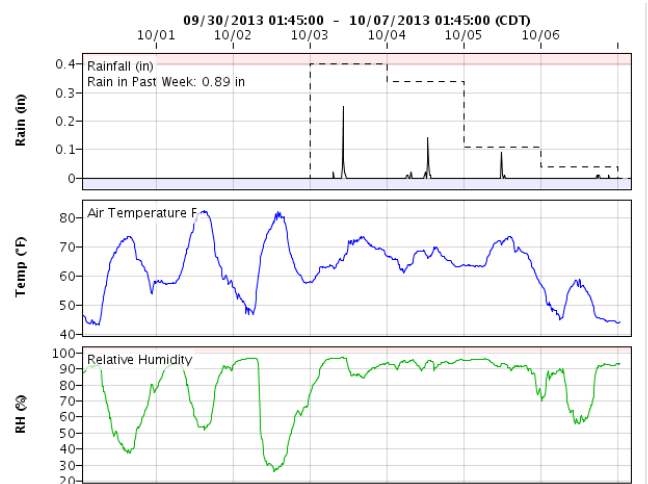
What you can measure

- "Smart" sensors require no specific programming in the datalogger
- Select what you want to measure and then pick the datalogger to suit
- Sensors to measure:
 - Temperature & Humidity
 - Wind Speed & Direction
 - Soil, Air, or Water Temperature
 - Soil Moisture
 - Rainfall
 - Barometric Pressure
 - Current & Voltage
 - Solar Radiation
 - Leaf Wetness
 - Many third party sensors also supported



The Dataloggers

- All dataloggers have a weatherproof enclosure suitable for mounting on a post or pole with standard hardware
- Require no complex programming. Usually all that is required is to set the measurement interval and Launch in HOBOWare Software
- Support logging intervals from 1 second to 18 hours
- Storage for 512,000 data points (RX3000, 2 million)
- Select your datalogger based on how many sensors you want, and if you want remote (web) access to your data



	Micro Station	U30 NRC	RX3000 3G	RX3000 Wi-Fi	RX3000 Ethernet
Number of sensor inputs	4	5-15	5-15	5-15	5-15
Power	4 x AA battery	4V SLA battery Solar option	4V SLA battery Solar option	4V SLA battery Solar option	4V SLA battery Solar option
Remote access (via web page)	No	No	Yes (Vodafone/XT)	Yes (Wi-Fi)	Yes (Ethernet/LAN)
USB Connectivity	Requires serial adaptor	Yes	Yes	Yes	Yes

Scottech
www.scottech.net

Example Configurations

1. Basic grower station

- Micro Station
- Temperature & Humidity Sensor
- Wind Speed Sensor
- Rainfall Sensor
- Soil Temperature Sensor
- Radiation Shield (for accurate air temperature)
- HOBOWare Software

Customer to supply all mounts (eg pole/post)



2. Starter Weather Station

- U30 NRC with 5 inputs
- Temperature & Humidity Sensor
- Wind Speed Sensor
- Wind Direction Sensor
- Radiation Shield (for accurate air temperature)
- Solar panel
- Cross arm for wind sensor mounting
- HOBOWare Software

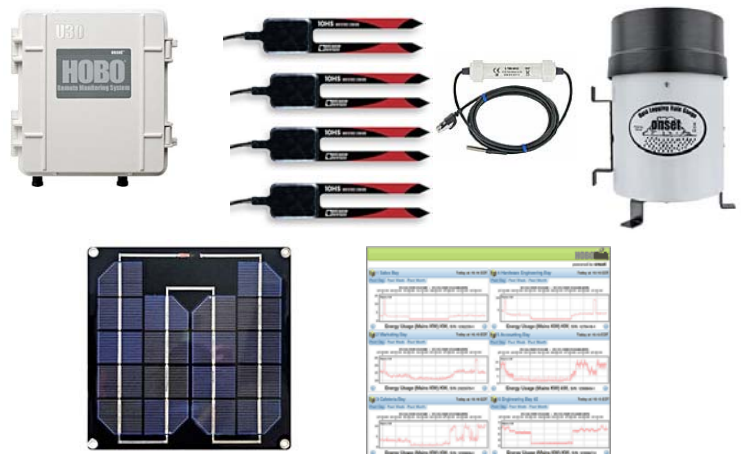
Customer to supply pole or post or purchase tripod



3. Remote Soil Profiling Station

- RX3000 3G with 10 inputs
- 4 x Soil Moisture Sensors
- Soil Temperature Sensor
- Rainfall Sensor
- Solar Panel
- HOBOWare Software
- HOBOLink Web Service

Requires Vodafone/XT cellular coverage



Scottech.
www.scottech.net