NEW! HOBO RX3000 Remote Weather Station
Research-grade weather monitoring with plug-and-play convenience

The HOBO RX3000 is a research-grade data logging weather station that combines greater measurement flexibility and an on-board LCD display in a rugged, easy-to-deploy package.

Key Advantages:

• Cloud-based data access
• Plug-and-play operation
• Flexible support for a broad range of sensors
• LCD display for easy field deployment
• Alarm notifications via text, email
• Rugged double-weatherproof enclosure

Supported Measurements: Temperature, Relative Humidity, Dew Point, Solar Radiation, PAR, Rainfall, Wind Speed, Wind Direction, Soil Moisture, Barometric Pressure, Leaf Wetness, 4-20mA, Voltage Input, Pulse Input
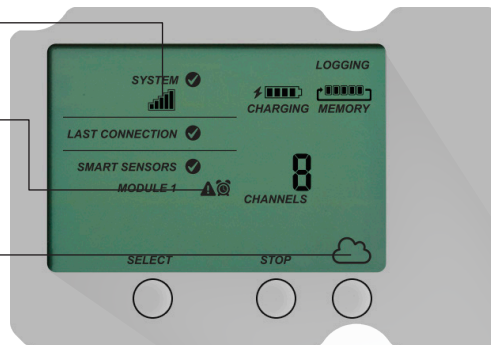

Minimum System Requirements:

Software   Data plan   Power source   Sensor

Confirm signal strength at the site

Receive immediate notification of sensor or system problems

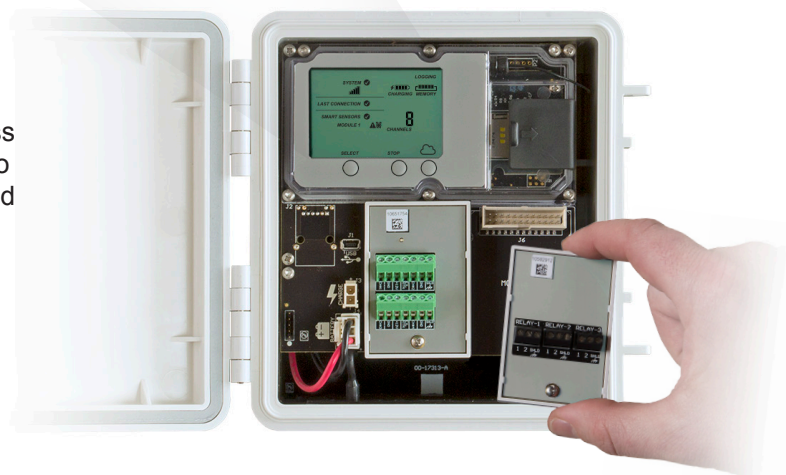Connect with HOBOlink to upload configuration changes and latest readings

Deployment Friendly

On-board LCD display helps you confirm system operation, sensor connections, cellular signal strength and other parameters before leaving the deployment site.
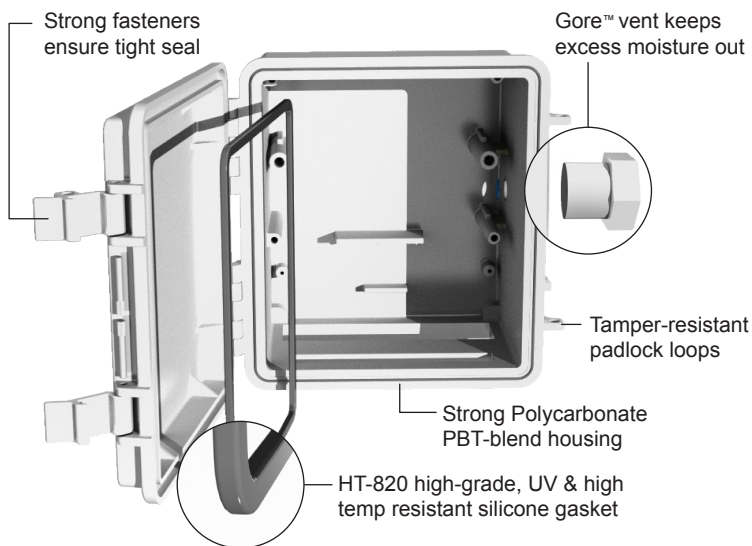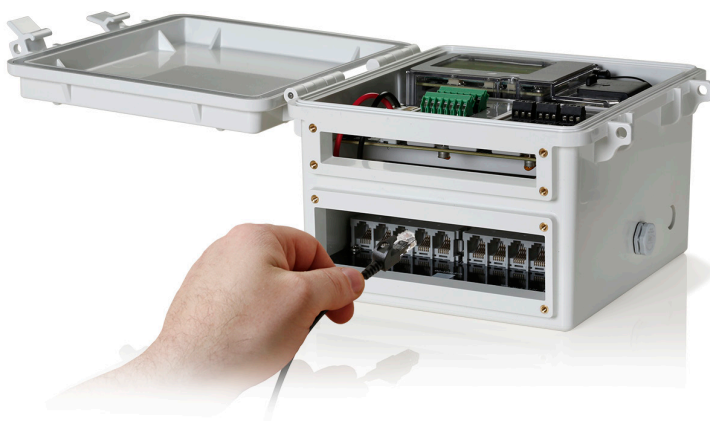
Wide range of measurements

The measurement possibilities are nearly endless with the RX3000 Station. You can configure up to 15 channels of plug-and-play Smart Sensors, and add modules for up to 8 analog sensors.

And, the station can power external sensors requiring 12-volt excitation power, extending the range of possible measurements.

Reliable, field-proven performance

The HOBO RX3000 features a field-proven, double-weatherproof enclosure designed for long-term use – even in the harshest environments. Critical system electronics are sealed in the unit's secondary enclosure, and weather-tight sensor cable seal keeps moisture out.

Strong fasteners ensure tight seal

Gore™ vent keeps excess moisture out

Tamper-resistant padlock loops

Strong Polycarbonate PBT-blend housing

HT-820 high-grade, UV & high temp resistant silicone gasket

Convenient plug-and-play operation

Simply plug in a Smart Sensor and the RX3000 Station will recognize it and begin taking measurements. No need for programming or complicated wiring!

Part number	RX3001-00-01 (ETH)	RX3002-00-01 (WiFi)	RX3003-00-01 (3G)
Smart Sensor Connectors	10 (up to 15 data channels; some sensors use more than one data channel)		
Maximum Number of Sensors	18 (when 2 Analog Modules are configured in the station)		
Smart Sensor Cable Length	100 m (328 ft) maximum		
Module Slots	2 (for optional Analog or Relay module; see manual for detailed module specification)		
Fastest Logging Rate	1 second	1 second	1 minute
Memory	32 MB, 2 million measurements		
Alarm notification latency	Logging interval plus 2-4 minutes, typical		
Environmental Rating	Weatherproof enclosure, NEMA 4X		
Operating Range	-40° to 60°C (-40° to 140°F)		
Power	Onset solar panel, AC charger or user-provided external power supply is required		
Battery Life	Typical 3-5 years; 4 Volt, 10 AHr, rechargeable sealed lead-acid		
Size	18.6 x 18.1 x 11.8 cm (7.3 x 7.1 x 4.7 in.)		
Weight	2.2 kg (4.85 lb)		
Communications	RJ45/100BaseT	IEEE 802.11 b/g/n	GSM/GPRS/EDGE: Quad band 850/900/1800/1900 MHz, UMTS/HSPA+: Five band 800/850/900/1900/2100 MHz
CE Compliant	Yes		

*Requires paid data plan   [1]AC power adapter or solar panel required.