

HOBO® RX3000 Remote Monitoring System



REAL TIME ACCESS TO DATA FROM ANY WEB BROWSER

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

SUPPORTED MEASUREMENTS

Indoor Environmental: Temperature, Relative Humidity, Dew Point, CO₂, Air Velocity, VOC.

Energy/Power: 4-20mA, AC Current, AC Voltage, Amp Hour, Amps, Compressed Air Flow, DC Current, DC Voltage, Differential, Pressure, Gauge Pressure, kW, kWh, Power Factor, Pulse Input, Volt-Amp Reactive, Volt-Amp Reactive Hour, Volt-Amps, Volts, Water Flow, Watt Hours, Watts.

Outdoor Environmental: 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.

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.
- Cellular, WiFi and Ethernet communications.

MINIMUM SYSTEM REQUIREMENTS:



Software



Data Plan



Power Source



Sensor



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SPECIFICATIONS

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	Ethernet RJ45/100BaseT	WiFi IEEE 802.11 b/g/n	Cellular GSM/GPRS/EDGE: Quad band 850/900/1800/1900 MHz, UMTS/HSPA+: Five band 800/850/900/1900/2100 MHz
CE Compliant	Yes		

Note: HMA Geotechnical is continually improving its products and processes, information contained within this brochure is subject to change without notice

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