

# NEW! HOBO MicroRX Station

*Easy to Deploy, Affordable  
Web-based Monitoring*



The new web-enabled HOBO MicroRX station is an easy-to-deploy, low-cost cellular field monitoring solution. With a compact size and rugged design, the MicroRX Station offers long-term, reliable environmental monitoring. Configurable station-side alarms provide immediate notification of critical conditions, and Onset's cloud-based HOBOLink platform makes it easy to view, access, and share your data.

## Supported Measurements:

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

## Key Advantages:

- Optional integrated solar panel for easy deployment
- Battery-powered option for covered or shaded deployment locations
- Wide range of research-grade plug-and-play sensors
- Optional water level sensor input, and water flow conversion
- Station-side alarms include new accumulated rainfall alarm
- Real-time monitoring with up to 10-minute connection rates via 4G cellular

## Minimum System Requirements:



HOBOLink  
Data Plan\*



Smart Sensor

► For complete information and accessories, please visit: [www.onsetcomp.com](http://www.onsetcomp.com)

Part number	RX2101	RX2102
Operating Range	-40° to 60°C (-40° to 140°F)	-20° to 60°C (-4° to 140°F)
Smart Sensor Connectors	5	
Smart Sensor Network Cable Length	100 m (328 ft) maximum	
Logging Rate	1 minute to 18 hours	
Alarm Notification Latency	Logging interval plus 2–4 minutes, typical	
Wireless Radio	GSM/GPRS/EDGE: Quad band 850/900/1800/1900 MHz UMTS/HSPA+: Seven band 800/850/900/1800/1900/2100 MHz LTE: Twelve Band 700/800/850/900/1800/1900/2100/2600 MHz	
Memory	16 MB, 1 million measurements, continuous logging	
Battery Type	6 AA 1.5 V lithium batteries or optional AC power adapter (P-AC-1)	Integrated 1.7 watt solar panel and NiMH rechargeable battery pack
Battery Life	Daily connections: 1 year with 1 minute logging Hourly connections and 1 minute logging: 3 months	Typical 3–5 years when operated in the temperature range -20° to 40°C (-4° to 104°F)
Smart Sensor Data Channels	Maximum of 15	
Enclosure Access	Hinged door secured by two latches with eyelets for use with user-supplied padlocks	
Materials	Outer enclosure: Polycarbonate/PBT blend with brass inserts; Interior: Polycarbonate/PBT; Gasket: Silicone foam. Cable channel: Santoprene™ TPE	
Dimensions	19.95 x 13.68 x 7.49 cm (7.85 x 5.39 x 2.95 in.)	
Weight	678 g (23.9 oz)	
Environmental Rating	Weatherproof enclosure, NEMA 4X and IP66	
CE Compliant	Yes	

\*) Für die Nutzung einer MicroRX Station ist der Abschluss eines Serviceplans obligatorisch, siehe <https://www.metrics24.de/RX2100-HOBOLink>