

H21-002

## HOBO Micro Station Data Logger

**Upgrade Available - See #H21-USB**

Discontinued

An affordable, compact, rugged weather station that accepts up to four plug-and-play smart sensors. An affordable, compact, rugged weather station that accepts up to four plug-and-play smart sensors.

### Important Information

Requires HOBOWare software and part # ADAPT-SER-USB interface cables. See compatible items below.

[View upgrade options](#)



### Supported Measurements

4-20mA, Amp Hour (Ah), Barometric Pressure, DC Voltage, Kilowatt Hours (kWh), Leaf Wetness, Light Intensity, Power Factor (PF), Pulse Input, Rainfall, Relative Humidity, Soil Moisture, Temperature, Volt-Amp Reactive, Volt-Amp Reactive hour, Volt-Amps (VA), Water Flow, Watt Hours (Wh), Watts (W), Wind

### Features

- Improved weatherproof enclosure for harsh environments
- Optional analog and pulse inputs for 3rd-party sensors
- Battery-powered for up to a year - no solar panels required
- Requires HOBOWare or HOBOWare Pro software for logger setup, graphing, and analysis.
- Requires #ADAPT-SER-USB interface cables

### Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- Call 1-508-759-9500
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## HOBO Micro Station Data Logger (H21-002) Specifications

**Operating range:** -20° to 50°C (-4° to 122°F) with alkaline batteries, -40° to 70°C (-40° to 158°F) with lithium batteries

**Sensor inputs:** Up to four smart sensors (including multiple-parameter sensors)

**Communication:** 3.5 mm serial port

**Dimensions:** 8.9 cm H x 11.4 cm D x 5.4 cm W (3.5 x 4.5 x 2.125 inches)

**Weight:** 0.36 kg (0.8 lb)

**Memory:** 512K nonvolatile flash data storage

**Memory modes:** Stop when full, wrap around when full

**Operational indicators:** Seven lights provide logging and sensor network status

**Logging interval:** 1 second to 18 hours, user-specified interval

**Battery life:** 1 year typical use (up to 4 sensors with 1 minute or longer logging interval)

**Battery type:** Four standard AA alkaline batteries included (for operating conditions -20° to 50°C [-4° to 122°F]); optional AA lithium batteries available for operating conditions of -40° to 70°C (-40° to 158°F)

**Time accuracy:** 0 to 2 seconds for the first data point and ±5 seconds per week at 25°C (77°F)

**Data type:** Supports measurement averaging based on availability of supporting data from sensor

**Logger start modes:** Immediate, push-button, or delayed start options

**Data communication:** Current reading while logging, offload while logging, or offload when stopped

**Environmental rating:** Weatherproof, with Gore™ Vent for deployment in harsh weather conditions; tested to NEMA 4X and IP66.

**Mounting:** Mount vertically on flat surface 18 cm (3.5 inches) or wider; optional mast mounting kit for use on 4.1 cm (1 5/8 inches) diameter masts

**Enclosure access:** Cover secured by four screws

**Sensor network cable length:** 100 m (328 ft) maximum