

H21-USB

## HOBO USB Micro Station Data Logger

Rugged and compact, the redesigned HOBO USB Micro Station is a weatherproof data logger for multi-channel monitoring of microclimates.

### Important Information

External sensors sold separately. The HOBO H21-USB Micro Station requires a USB cable and HOBOWare software. Please note that the H21-USB is not compatible with macOS 13 and 14



Compatible with  
**HOBOWare<sup>®</sup> Software**



### Supported Measurements

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

### Features

- Compact size for easy deployment
- Weatherproof IP66 enclosure for harsh environments
- Direct USB offload--no need for an adapter cable
- Includes five Smart Sensor inputs
- Hinged door and integrated mounting tabs
- Runs for up to a year on four standard AA batteries
- Compatible with HOBOWare and HOBOWare Pro software for logger setup and graphing & analysis

### What's in the box

#### 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

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532

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
- In U.S. toll free 1-877-564-4377

## HOBO USB Micro Station Data Logger (H21-USB) Specifications

### Data Logger

<b>Operating Range</b>	-20° to 50°C with alkaline batteries (-4° to 122°F with alkaline batteries) -40 to 70°C with lithium batteries (-40 to 158°F with lithium batteries)
<b>Smart Sensor Connectors</b>	5
<b>Smart Sensor Data Channels</b>	Maximum of 15 (some smart sensors use more than one data channel; see sensor manual for details)
<b>Smart Sensor Network Cable Length</b>	100 m maximum (328 ft maximum)
<b>Logging Interval</b>	1 second to 18 hours
<b>Start Modes</b>	Immediate, at interval, push button, or delayed start
<b>Memory Modes</b>	Stop when full or wrap when full
<b>Memory</b>	512 KB nonvolatile flash data storage
<b>Time Accuracy</b>	0 to 2 seconds for the first data point and $\pm 5$ seconds per week at 25°C (77°F)
<b>Battery Type</b>	Four AA 1.5 V alkaline batteries for operating conditions of -20° to 50°C (Four AA 1.5 V alkaline batteries for operating conditions of -40 to 70°C) Four AA 1.5 V lithium batteries for operating conditions of -40 to 70°C (Four AA 1.5 V lithium batteries for operating conditions of -20 to 50°C)
<b>Battery Life</b>	1 year, typical use (up to five sensors with 1 minute or greater logging interval)
<b>Communication Type</b>	USB 2.0 interface
<b>Full Memory Download Time</b>	4 minutes
<b>Enclosure Access</b>	Hinged door secured by one latch with eyelet for use with user-supplied padlock
<b>Materials</b>	Outer enclosure: Polycarbonate/PBT blend with stainless steel hinge pins; Gasket: Silicone foam; Cable channel: EPDM rubber
<b>Dimensions</b>	17.04 x 11.94 x 4.47 cm see diagrams below Padlock hole diameter: 0.58 cm (6.71 x 4.70 x 1.76 in. see diagrams below)
<b>Weight</b>	414 g (14.6 oz)
<b>Environmental Rating</b>	Weatherproof enclosure, NEMA 4X and IP66

