



## HOBO<sup>®</sup> H21-USB Data Logger

### 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. Starting at just \$220, this battery-powered station accepts up to five plug-and-play Smart Sensors and has a hinged door to make sensor installation simple and quick. The Micro Station is equipped with a built-in USB port for fast, efficient data readout to a computer, and an integrated mounting tabs for easy installation.

#### 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) and Wind

#### Key Advantages:

- 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, graphing and analysis



## HOBO H21-USB Data Logger Specifications

Logger	
<b>Operating Range</b>	-20° to 50°C (-4° to 122°F) with alkaline batteries -40 to 70°C (-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 (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 ±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 (-4° to 122°F); four AA 1.5 V lithium batteries for operating conditions of -40 to 70°C (-40 to 158°F)
<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; Gaskets: Silicone rubber; Cable channel: EPDM rubber
<b>Dimensions</b>	17.04 x 11.94 x 4.47 cm (6.71 x 4.70 x 1.76 in.) see diagrams in manual Padlock hole diameter: 0.58 cm (0.23 in.)
<b>Weight</b>	414g (14.6 oz.)
<b>Environmental Rating</b>	Weatherproof enclosure, NEMA 4X and IP66
<b>CE</b>	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

## Contact Us

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