



NEW HOBO USB Micro Station

Multi-channel weatherproof station for monitoring outdoor environmental conditions

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



Supported Measurements:

4-20mA, Amp Hour, Barometric Pressure, DC Voltage, Kilowatt Hours, Leaf Wetness, Light Intensity, Power Factor, Pulse Input, Rainfall, Relative Humidity, Soil Moisture, Temperature, Volt-Amp Reactive, Volt-Amp Reactive hour, Volt-Amps, Water Flow, Watt Hours, Watts, 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

Minimum System Requirements:



Software



USB cable*



Sensor


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*USB cable included with software part # BHW-PRO-CD

Part number	H21-USB
Operating Range	-20° to 50°C (-4° to 122°F) with alkaline batteries -40 to 70°C (-40 to 158°F) with lithium batteries
Smart Sensor Connectors	5
Smart Sensor Network Cable Length	100 m (328 ft) maximum
Logging Interval	1 second to 18 hours
Start Modes	Immediate, at interval, push button, or delayed start
Memory Modes	Stop when full or wrap when full
Memory	512 KB nonvolatile flash data storage
Time Accuracy	0 to 2 seconds for the first data point and ±5 seconds per week at 25°C (77°F)
Battery Type	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)
Battery Life	1 year, typical use (up to five sensors with 1 minute or greater logging interval)
Communication Type	USB 2.0 interface
Full Memory Download Time	4 minutes
Enclosure Access	Hinged door secured by one latch with eyelet for use with user-supplied padlock
Materials	Outer enclosure: Polycarbonate/PBT blend with stainless steel hinge pins; Gasket: Silicone foam; Cable channel: EPDM rubber
Dimensions	17.04 x 11.94 x 4.47 cm (6.71 x 4.70 x 1.76 in.) Padlock hole diameter: 0.58 cm (0.23 in.)
Weight	414 g (14.6 oz)
Environmental Rating	Weatherproof enclosure, NEMA 4X and IP66
CE Compliant	Yes

