

HOBO Micro Station



HOBO Micro Station H21-002

8.9 x 11.4 x 5.4 cm
(3.5 x 4.5 x 2.125 in)
0.5 kg (1 lb)

The HOBO Micro Station offers reliable monitoring performance at industry-leading prices. Designed for stand-alone data logging applications, the 4-channel HOBO Micro Station accepts Onset's full suite of plug-and-play Smart Sensors, and is battery-powered for up to one year.

Key Advantages:

- Improved weatherproof enclosure for harsh environments
- Compact and low-cost with 4 sensor inputs
- Up to 2 DC voltage or 4-20mA input adapters

Common Specifications

Memory:	512K non-volatile data storage
Logging interval:	1 second to 18 hours, user-selectable
Battery life:	1 year (typical) — up to 10 sensors with 10-minute or longer logging interval
Operating range and battery type:	-20° to 50°C (-4° to 122°F) 4-AA alkaline batteries (standard) -40° to 70°C (-40° to 158°F) 4-AA lithium batteries (optional)
Sensor network cable length:	100 m (328 ft) maximum



HOBO Micro Station Ordering Guide

HOBO Micro Station Logger	H21-002
HOBO Micro Station Mast Mounting Kit	M-MKA
HOBO Micro Station Grounding Wire	CABLE-HWS-G

(required for Wind Speed/Direction sensor or tripod mounting)

Smart Sensor Ordering

Temperature/RH:	
2 m cable	S-THB-M002
8 m cable	S-THB-M008
Temperature:	
2 m cable	S-TMB-M002
6 m cable	S-TMB-M006
17 m cable	S-TMB-M017
Wind Speed/Direction	S-WCA-M003
Wind Speed	S-WSA-M003
R.M. Young Wind Sensor Adapters:	
Wind Monitor AQ	S-WCB-M003
Marine Wind Monitor	S-WCC-M003
Wind Sentry	S-WCD-M003
Wind Alpine	S-WCE-M003
Rain Gauge Aluminum: (.01 in)	
2 m cable	S-RGA-M002
Rain Gauge Aluminum: (0.2 mm)	
2 m cable	S-RGB-M002
Soil Moisture (ECHO-20)	S-SMA-M005
Soil Moisture (ECHO-10)	S-SMB-M005
Soil Moisture (ECHO-5)	S-SMC-M005
Leaf Wetness	S-LWA-M003
PAR	S-LIA-M003
Silicon Pyranometer	S-LIB-M003
Pulse Input Adapter:	
-Electronic Switch	S-UCC-M00x
-Contact Closure	S-UCD-M00x
4-20mA Input Adapter	S-CIA-CM14
0-5v DC Input Adapter	S-VIA-CM14
Water Flow	T-MINOL-130

(requires pulse input adapter)

Sensor Mounting Accessories

Smart Sensor Extension Cables limited to 100 m of total cable length per logger (optional for use individually or combined).	
5 m length	S-EXT-M005
10 m length	S-EXT-M010
25 m length	S-EXT-M025

Sensor Mounting Accessories (continued)

Weatherproof Connection Housing	S-EXT-CASE
(required for outside connections)	
Half Cross Arm	M-CAB
(recommended for use with wind sensors)	
Solar Radiation Shield	RS3
(for use with temperature and temp/RH sensors)	
Light Sensor Bracket	M-LBB
(for mounting PAR and solar radiation sensors on masts or flat vertical surfaces)	
NDVI Light Sensor Bracket	M-NDVI
Light Sensor Level	M-LLA
(recommended for installing PAR and solar radiation sensors)	

Tripod/Masts and Accessories

2 m Tripod with Mast	M-TPB
(M-SKB recommended)	
Complete 2 Meter Tripod Kit	M-TPB-KIT
3 m Tripod with Mast	M-TPA
(M-SKA recommended)	
Complete 3 m Tripod Kit	M-TPA-KIT
1.5 m Mast	M-MPB
3 m Mast	M-MPA
Guy Wire Kit	M-GWA
1/4 in Stake Kit	M-SKB
1/2 in Stake Kit	M-SKA
Grounding Kit	M-GKA
2 m Weatherproof Comm. Cable	CABLE-HWS2
17 m Weatherproof Comm. Cable	CABLE-HWS17
Lithium Batteries, 4 pack	HWSB-LI
(does not provide protection from direct lightning strikes)	
Mast Level	M-MLA
(recommended for installing masts or tripods)	

Software and Communications

HOBOWare Pro Software	BHW-PRO-CD
USB-to-Serial-Cable	ADAPT-SER-USB
U-Shuttle Data Transporter	U-DT-1

Authorised Distributor:



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