


The HOBO<sup>®</sup> Micro Station is a four-sensor data logger designed for applications requiring multi-channel monitoring of microclimates in one or more locations. Part of the HOBO Weather Station family, the Micro Station uses a network of smart sensors for taking measurements. Key features of the smart sensors include:

- **Automatic detection.** No extensive programming, wiring, or calibrating is required to set up sensors.
- **Easy expansion.** Because the logger is not pre-configured, up to four sensors of any type or combination can be added simply by plugging them in before logging begins.
- **Digital network.** The connections between the smart sensors and the logger are digital, ensuring accurate, reliable data collection and storage.



## Specifications

HOBO Micro Station	
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

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Data Communication	Current reading while logging, offload while logging, or offload when stopped
Environmental Rating	Weatherproof
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
Part Number	H21-002
 Specification	This product meets CE specification EN61326 criterion C for ESD, criterion C for Radiated Immunity, criterion B for Fast Transient, criterion A for Conducted Immunity, and criterion A for Power Frequency Magnetic Fields. To minimize measurement errors due to ambient RF, use the shortest possible probe cable length and keep the probe cable as far as possible from other cables.