

W-TMB

## HOBOnode Temp - Wireless Temperature Sensor

Discontinued

HOBOnode sensors monitor temperature and soil moisture conditions and wirelessly transmit the data back to your computer. Easy to deploy temperature wireless sensor



### Supported Measurements

Temperature

### Features

- **Fast, easy deployment** - sensor's compact size, integrated solar-rechargeable battery makes deployment a snap.
- **-40 to 212F measurement range**
- **Software provides real-time graphs and alarms** to cell phones or local PC; data can be exported for use in other programs.
- **150 to 300 m (500 to 1000 ft) range with clear line-of-sight.** Repeaters are available to extend range.
- **Research-grade reliability and accuracy**
- Complete system requires: Receiver, Sensor, HOBOnode Viewer software. A Repeater is required for greater distances.(sold separately)
- Includes bracket for convenient mounting on a pole or stake

### 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
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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

## HOBOnode Temp - Wireless Temperature Sensor (W-TMB) Specifications

- **Measurement Range:** -40° to 100°C (-40° to 212°F)
- **Accuracy** - +/- 0.21°C from 0° to 50°C (0.38°F from 32° to 122°F) - Note: For accurate temperatures in sunlight we recommend the use of our [solar radiation shield. \(RS3\)](#)
- **Resolution** - 0.025° at 25°C (0.045°F at 77°F)
- **Response time** - 3 minutes in air moving 1m/s; 30 seconds in water
- **Sample rate** -1 reading per minute
- **Battery life** - 1 yr typical w/o charging; 3 yrs typical w/ solar charging
- **Size** -16.5cm x 5cm; 3.7m cable to sensor (6.5" x 2"; 12' cable)
- **Memory** - None in HOBOnodes; requires HOBOnode Viewer to be running for data storage.
- **Transmission range** - 150 to 300 m (500 to 1000 ft) range with clear line-of-sight. Any obstructions such as vegetation or walls will reduce range significantly.
- **Wireless Data Standard** - IEEE 802.15.4, 2.4 GHz ISM band (license free worldwide) - [Click here for local RF Regulation Compliance](#)
- **Operating Range** -20° to 50°C (-4° to 122°F) - with optional [Lithium Batteries](#): -40° to 50°C (-40° to 122°F) - Use optional Lithium Batteries in low-temperature and high-temperature applications.
- **Environmental rating** - HOBOnodes: NEMA 6P, IP68; temperature sensor probe is rated for 1-year immersion in freshwater ? 50° C (122° F)
- **Setup/Installation:**
  - recommend 8' x 1-1/4", schedule 40 PVC pipe for mounting (purchase through local building supply store)
  - for windy locations we also recommend our Guy Wire Kit ([M-GWK](#)) and ½" Stake Kit ([M-SKA](#))
  - note that the HOBOnodes should not be mounted on or near metal surfaces.