

TMC6-HE

## Temperature (6') Sensor

A faster-response version of our TMC6-HD temperature sensor, complete with a plated-copper sensor probe. For use with HOBO U series loggers, UX120-006M loggers, MX1100 external-channel loggers, or ZW series wireless data nodes.



### Supported Measurements

Temperature

### Features

- Accuracy and resolution vary according to attached logger model
- Measurement range is -40° to 100°C (-40° to 212°F)
- Response time is 3 minutes typical to 90% in air moving 1m/sec (2.2mph)
- Sensor is attached to a 1.8m (6ft) cable

### What's in the box

- TMC6-HE Temperature (6') Sensor
- 2 tie wraps
- 1 #6 screw
- Thermal grease for improved thermal conductivity

### 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
- Fax 1-508-759-9100

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

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## Temperature (6') Sensor (TMC6-HE) Specifications

**Measurement range:** -40° to 100°C (-40° to 212°F)

**Accuracy:**

w/U12:  $\pm 0.25^{\circ}\text{C}$  from 0° to 50°C ( $\pm 0.45^{\circ}\text{F}$  from 32° to 122°F), insert probe 2.3 cm (0.9 inches) minimum;

w/ZW:  $\pm 0.21^{\circ}\text{C}$  from 0° to 50°C ( $\pm 0.38^{\circ}\text{F}$  from 32° to 122°F), insert probe 2.3 cm (0.9 inches) minimum;

w/UX120-006M, MX1104 and MX1105:  $\pm 0.15^{\circ}\text{C}$  from 0° to 70°C ( $\pm 0.27^{\circ}\text{F}$  from 32° to 158°F), insert probe 2.3 cm (0.9 inches) minimum;

**Resolution:**

w/U12: 0.03° at 20°C (0.05° at 68°F);

w/ZW: 0.02°C at 25°C (0.04°F at 77°F);

w/UX120-006M, MX1104 and MX1105: 0.002° at 25°C (0.003° at 77°F);

**Drift:**  $< 0.1^{\circ}\text{C}$  ( $< 0.2^{\circ}\text{F}$ ) per year

**Response time in air:** 3 min. typical to 90% in air moving 1 m/sec (2.2 mph)

**Housing:** Copper-plated sensor tip

**Dimensions:** 0.9 x 5.8 cm (0.38 x 2.30 inches)

**Cable length:** 1.8m (6 feet)

**Weight:** 34 g (1.1 oz)