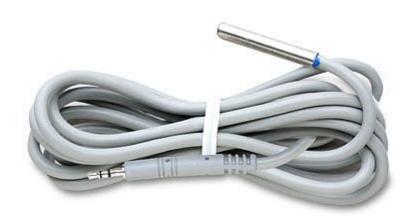


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# HOBO TMC1-HD Wide-range Temperature Sensor (1ft cable)

#### **Product Images**



#### **Short Description**

Temperature sensor for use with HOBO external channel data loggers monitoring air, water, or soil temperatures.

### **Description**

Temperature sensor for use in air, soil, or water; compatible with the HOBO UX120-006M, MX1100 series, ZW series, and U-Series data loggers.

- Accuracy and resolution vary according to attached logger model
- Measurement range is -40° to 100°C (-40° to 212°F) in air or water
- Response time in air: 2 min. typical to 90% in air moving 1 m/sec (2.2 mph)
- Response time in stirred water: 30 sec. typical to 90%

• Sensor is attached to a 0.3 m (1 ft) cable.

## **Additional Information**

Country of Manufacture	United States
Explanation	Measurement range: -40° to 50°C (-40° to 122°F) in water; -40° to 100°C (-40° to 212°F) in air  Accuracy:  w/U12: ±0.25°C from 0° to 50°C (±0.45°F from 32° to 122°F), insert probe 2.3 cm (0.9 inches) minimum;  w/ZW: ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F), insert probe 2.3 cm (0.9 inches) minimum;  w/UX120-006M, MX1104, and MX1105: ±0.15°C from 0° to 70°C (±0.27°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°C (<0.2°F) per year  Response time in air: 2 min. typical to 90% in air moving 1 m/sec (2.2 mph)  Response time in stirred water: 30 sec. typical to 90%.  Operating range: Sensor tip and cable immersion in fresh water up to +50°C (122°F) for 1 year  Housing: Copper-plated sensor tip  Dimensions: 5.1 x 33 mm (0.2 x 1.3 inches)  Weight: 34 g (1.1 oz)
Brand	Onset HOBO
Housing	Cable
Measurements	Temperature, Water Temperature
Compatible With	U12, ZW, UX120, MX1104, MX1105