



HOBO® TMC6-HE Sensor

Temperature (6") Sensor

A faster-response version of our TMC6-HD temperature sensor, complete with a plated-copper sensor probe. Includes accessories for strapping the sensor to a pipe or attaching it to a flat surface. For use with HOBO U-Series, UX120-006M, MX1100 external-channel data loggers, or ZW series wireless data nodes.



Key Advantages:

- 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 is 3 minutes typical to 90% in air moving 1m/sec (2.2mph)
- Sensor is attached to a 1.8m (6ft) cable

HOBO TMC6-HE Sensor 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°C (<0.2°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)