



TMC6-HE Sensor

Temperature (6") Sensor

A faster response version of our TMC6-HD complete with a plated copper sensor probe that can be mounted to a pipe or flat surface. The sensor is packaged with its own accessories for either strapping to a pipe or attaching to a flat surface. For use with HOBO U-Series, UX120-006M external-channel data loggers or ZW series wireless datanodes.

Parts Included:

Thermal grease is included for improved thermal conductivity. two tie wraps a screw



Supported Measurements:

Temperature

Key Advantages:

- Faster response time
- Suitable for pipe mounting
- Accessories included
- Can be plugged directly into the external input jacks of U12, UX120, or ZW Family loggers to expand the range of measurement options and applications.

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: $\pm 0.15^{\circ}\text{C}$ 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: 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)