

TMC6-HC

Stainless Steel Temperature Probe (6' cable) Sensor

A food-grade stainless-steel temperature probe with pointed tip for use with HOBO U series loggers, UX120-006M 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)
- Response time in stirred water is 15 seconds typical
- Sensor is attached to a 1.8m (6ft) cable

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email 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
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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Stainless Steel Temperature Probe (6' cable) Sensor (TMC6-HC) 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 5.08 cm (2 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 5.08 cm (2 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 5.08 cm (2 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)

Response time in stirred water: 15 sec. typical to 90%.

Probe dimensions: 102mm (4 in.) food-grade stainless steel probe with pointed tip; 3.2mm $\pm 0.25\text{mm}$ (0.12 inches ± 0.01) diameter

Cable length: 1.8m (6 feet)

Note: The stainless steel probe is waterproof, but the handle is not intended for prolonged use in water or moist environments, especially those with temperatures greater than 30°C (86°F). For more details contact Onset Computer Corporation or an Onset authorized dealer.