

TMC6-HC Temperature Sensor

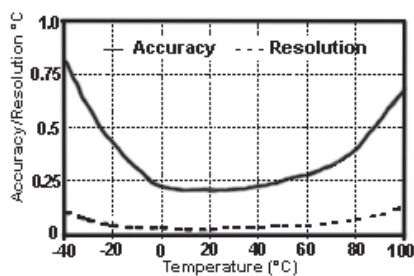
For use with HOBO® U12 and UX120-006M data loggers and ZW data nodes

4-inch food-grade stainless steel probe (#316 stainless steel)

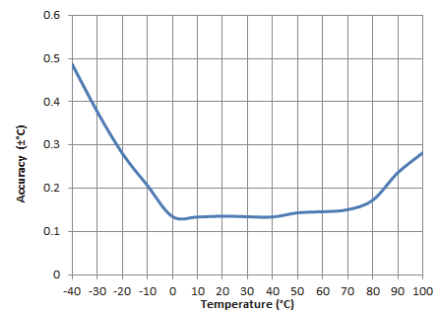
Specifications

Measurement range	-40° to 100°C (-40° to 212°F)
Accuracy with U12	±0.25°C from 0° to 50°C (±0.45°F from 32° to 122°F), insert probe 5.08 cm (2 inches) minimum; see Plot A
Accuracy with ZW	±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F), insert probe 5.08 cm (2 inches) minimum; see Plot B
Accuracy with UX120-006M	±0.15°C from 0° to 70°C (±0.27°F from 32° to 158°F), insert probe 5.08 cm (2 inches) minimum; see Plots C & D
Resolution with U12	0.03° at 20°C (0.05° at 68°F); see Plot A
Resolution with ZW	0.02° at 25°C (0.04°F at 77°F); see Plot B
Resolution with UX120-006M	0.002° at 25°C (0.003° at 77°F); see Plots C & D
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 diameter	3.2mm ±0.25mm (0.12 inches ±0.01)

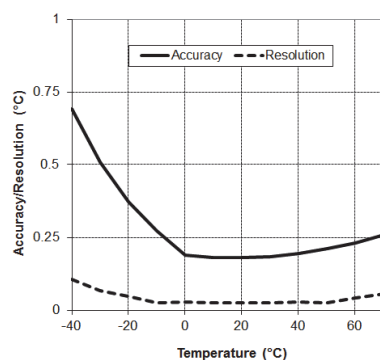
Note: The stainless steel probe is waterproof, but the handle is not intended for prolonged use in water or moist environments, especially those with temperatures greater than 30°C (86°F). For more details contact Onset Computer Corporation or an Onset authorized dealer.



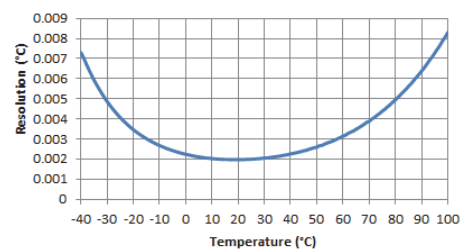
Plot A: U12 Accuracy/Resolution



Plot C: UX120-006M Accuracy



Plot B: ZW Accuracy/Resolution



Plot D: UX120-006M Resolution