






Water Temperature Sensors

Thermistors, thermocouples, RTDs...



Campbell Scientific offers a variety of sensors for measuring water temperature. The electrical signals transmitted from the sensors to our data loggers can be converted to different units of measurement, including °C, °F, and °K. Our data loggers are also capable of measuring most commercially available water temperature sensors.

	<i>Sensor Description</i>	<i>Maximum Submergence</i>	<i>Steinhart-Hart Equation Error</i>	<i>Time Constant in Air</i>
<p>109SS-L Stainless-Steel Temperature Probe for Harsh Environments</p> <p>Popular</p> 	Micro-BetaCHIP Probe 10K3MCD1, 0.5 mm (0.018 in.) diameter, 10 kohm at 25°C	45.7 m (150 ft) or 434 kPa (63 psi)	≤ 0.02°C (-40°)	<ul style="list-style-type: none"> ▶ 31 s (still air) ▶ 0.5 s (antifreeze/water rolling) ▶ 7.5 s (air @ 3 m/s)
<p>CS225-L SDI-12 Temperature Sensor String</p> 	—	—	—	—
<p>109 Temperature Probe</p> 	Measurement Specialties™ 10K3A1iA Thermistor	15 m (50 ft)	≤ 0.03°C (-50° to +70°C)	30 to 60 s (in a wind speed of 5 m s ⁻¹)
<p>108 Temperature Probe</p> 	BetaTherm 100K6A11A Thermistor	15 m (50 ft)	≤ ±0.01°C over measurement range (CRBasic data loggers only)	30 to 60 s (in a wind speed of 5 m s ⁻¹)
<p>107 Temperature Probe</p> 	BetaTherm 100K6A11A Thermistor	15 m (50 ft)	≤ ±0.01°C over measurement range (CRBasic data loggers only)	30 to 60 s (in a wind speed of 5 m s ⁻¹)

For comprehensive details, visit: www.campbellsci.com/water-temperature 