






# Surface Temperature Sensors

Measuring temperature of structures and plant canopies



Campbell Scientific offers two different technologies to measure surface temperature. Surface contact sensors, such as back-of-module sensors, attach directly to a surface and measure the temperature via physical contact. Infrared temperature sensors are a non-contact means of measuring the surface temperature of an object or surface by sensing the infrared radiation given off by the subject.

	Sensor	Operating Temperature Range
<p><b>SurfaceVue 10</b> Fixed-Location, Non-Invasive Road Surface Condition and Temperature Sensor</p> <p>Popular</p> 	—	General Specifications: -40 to +60°C (-40 to +140°F)
<p><b>Wintersense SDI-12</b> Non-Invasive Surface Temperature Sensor</p> <p>Popular</p> 	—	General Specifications: -40 to +70°C (-40 to +158°F)
<p><b>CS241DM G2</b> Pt-1000 Class A, Precision Back-of-Module Temperature Sensor with Digital Modbus RS-485 Output, Second Generation</p> <p>Popular</p> 	Precision 1,000 ohm Class A platinum sensing element (Pt-1000)	-50° to +150°C
<p><b>CS241</b> Pt-1000 Class A, Back-of-Module Temperature Sensor</p> <p>Popular</p> 	Precision 1000 ohm Class A platinum sensing element (Pt-1000)	-40° to +150°C

**SI-111SS**

Infrared Radiometer  
with Standard Field of View



Popular

	<i>Sensor</i>	<i>Operating Temperature Range</i>
	Thermopile and thermistor	-55° to +80°C

For comprehensive details, visit: [www.campbellsci.com/surface-temperature](http://www.campbellsci.com/surface-temperature) 