

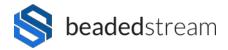
## RIGID PROBE

## HIGH-DENSITY TEMPERATURE SENSING



With high density sensor spacing, the Rigid Probe can accurately collect temperature in a variety of applications from road weather management to pond temperature monitoring.

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## RIGID PROBE

## **SPECIFICATIONS**

Number of Sensors	• 60 maximum (at 2.5 cm spacing)
Outer Diameters	<ul> <li>Rigid section - 22.23 mm (<sup>7</sup>/<sub>8</sub>")</li> <li>Cable - 7.0 ± 0.1 mm ( 0.28 ± 0.004")</li> </ul>
Operating Range	• -55° C to 125° C (-67° F to 257° F)
Field Conditions	Wet / Dry / Frozen
Outer Shell	<ul> <li>Encased in acrylic round tube</li> <li>Rated at IP68</li> </ul>
Termination Options	<ul> <li>4-pin Raymo Connector</li> <li>Bare leads</li> </ul>
Data Logging Options	<ul> <li>Satellite-Enabled beadedstream Data loggers</li> <li>Interfaces to third party data loggers (Modbus, SDI-12, or Ethernet)</li> </ul>
Length	<ul> <li>Customizable up to 1.8 m (6 ft)</li> </ul>
Sensor Accuracy	<ul> <li>± 0.1° C from -10° to +30° C (14° to 86° F)</li> </ul>
Sensor Resolution	<ul> <li>±0.063°C (±32.113°F) (12-bit ADC)</li> </ul>
Sensor Spacing	• User specified, 2.5 cm (1inch) minimum
Additional Features	<ul> <li>Encapsulated ruler decal with markings every 1-mm (or 1/16")</li> </ul>

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