

## Rigid Probe | High density sensing.

Use the rigid probe for collecting temperature data with sensor spacing as low as 2.5cm. Great for a variety of applications from road weather management to pond temperature monitoring. Customizable up to 1 meter.



### Specifications

Length	<ul style="list-style-type: none"> <li>● Customizable up to 1.7-m (6 ft)</li> </ul>
Outer Diameters	<ul style="list-style-type: none"> <li>● Rigid section - <math>\frac{7}{8}</math>"   Cable - <math>7.0 \pm 0.1</math> mm</li> </ul>
Operating Range	<ul style="list-style-type: none"> <li>● <math>-55^{\circ}</math> C to <math>125^{\circ}</math> C (<math>-67^{\circ}</math> F to <math>257^{\circ}</math> F)</li> </ul>
Field Conditions	<ul style="list-style-type: none"> <li>● Wet / Dry / Frozen</li> </ul>
Outer Shell	<ul style="list-style-type: none"> <li>● Encased in acrylic round tube</li> </ul>
Termination options	<ul style="list-style-type: none"> <li>● 3-pin XLR series connector</li> <li>● Flying leads (3) with ferrule contacts for 24 AWG compatible terminal block interfaces</li> </ul>
Maximum # of Sensors	<ul style="list-style-type: none"> <li>● 41 (Full 1-meter length with 2.5 cm spacing)</li> </ul>
Sensor Accuracy	<ul style="list-style-type: none"> <li>● <math>\pm 0.1^{\circ}</math> C from <math>-10^{\circ}</math> to <math>+30^{\circ}</math> C (<math>14^{\circ}</math> to <math>86^{\circ}</math> F)</li> </ul>
Sensor Resolution	<ul style="list-style-type: none"> <li>● <math>\pm 0.01^{\circ}</math> C (12-bit ADC)</li> </ul>
Sensor Spacing	<ul style="list-style-type: none"> <li>● Customizable, user specified</li> <li>● Minimum spacing: 2.5 cm</li> </ul>

Additional Sensor  
Features

- Converts temperature in 750ms (max)

Built-in Measurement

- Encapsulated ruler decal with markings every 1-mm (or 1/16")