

# Thermocouples



## Platinum Curve Rigid Averaging Sensors

Continuous-resistance element Platinum Curve Rigid Averaging Sensors provide accurate sensing of duct temperatures when a small, inaccessible area must be covered. They average temperatures over their entire length and terminate in a weather-resistant housing. They are available in 12", 18", 24", and 36" (30.5, 45.7, 61, and 91.4 cm) lengths. The sensor uses an element that closely matches platinum resistance/temperature characteristics over the specified range. It is available in 100Ω and 1000Ω 385 curve and 1000Ω 375 curve. The sensors have a brass case that is rigid for easy single-point mounting.



### Features

- Continuous averaging
- Rigid Sensor
- 12", 18", 24", 36" (30.5, 45.7, 61, and 91.4 cm) lengths
- 100Ω and 1000Ω 385 curve
- Weather-resistant box

### Application

- Small ducts without access
- Mixed air chambers
- Hot/Cold deck discharge
- Face/Bypass discharge
- Unit Vents

Specifications			
<b>Sensor</b>	1000Ω ±0.25% @ 32°F (0°C); 100Ω ±0.25% @ 32°F (0°C); TCR 375 or 385	<b>Element Length</b>	4 RTD Element 12" (30 cm) or 18" (45cm); 24" (61 cm) or 36" (91cm)
<b>Temp range</b>	-50° to 275°F (-45° to 135°C) 100Ω ±0.25% @ 32°F (0°C); TCR 375 or 385	<b>Casing Diameter</b>	Cast iron 6mm
<b>Approx sensitivity</b>		<b>Warranty</b>	1 year
<b>100Ω</b>	0.21Ω/°F @ 32°F (0°C)	<b>Connection</b>	1/2" BSP
<b>1000Ω</b>	2.1Ω/°F @ 32°F (0°C)		

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