# Thermocouples

# Platinium 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 100 $\Omega$  and 1000 $\Omega$  385 curve and 1000 $\Omega$  375 curve. The sensors have a brass case that is rigid for easy single-point mounting.

### **Features**

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



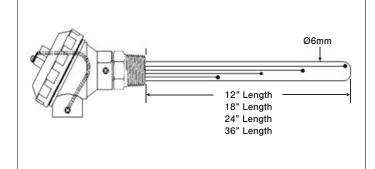
**MALTEC-T** 

## **Application**

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

Specifications			
Sensor	1000Ω ±0.25% @ 32°F (0°C); 100Ω ±0.25% @ 32°F (0°C); TCR 375 or 385	Element Length	4 RTD Element 12" (30 cm) or 18" (45cm); 24" (61 cm) or 36" (91cm)
Temp range	-50° to 275°F (-45° to 135°C) 100Ω ±0.25% @ 32°F (0°C); TCR 375 or 385	Casing Diameter Warranty Connection	Cast iron 6mm 1 year 1/2" BSP
Approx sensitivity 100Ω 1000Ω	0.21Ω/°F @ 32°F (0°C) 2.1Ω/°F @ 32°F (0°C)	Connection	1/2 65P





#### **Ordering Information**

Model	Description		
MAS-100	$100\Omega$ With 4 To 20mA Transmitter		
MAS-1000	1000Ω With 4 To 20mA Transmitter		
	Insertion Length		
	12	12" length	
	18	18" length	
	24	24" length	
	36	36" length	

