

## 0.6" SS Probe Temp Sensor

### ⚙️ Description:

Omicron Sensing Inc manufactures temperature sensors. This document shows the enclosures and temperature vs resistance curves for the standard sensors.



### ⚙️ Features:

The sensors employ precision interchangeable thermistors and RTD which are compatible with all the major building automation systems.

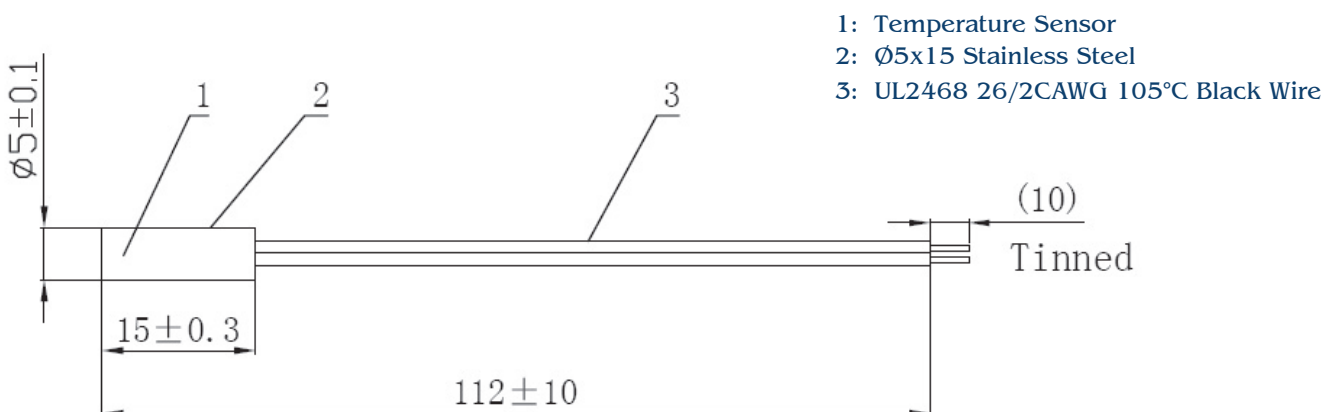
- Designed for temperature sensing in an HVAC and light industrial control applications
- Precision interchangeability eliminates the necessity for individual circuit calibration.
- Omicron is able to produce custom sensors in small volume at standard sensor pricing

There are several sensor element ranges to choose from, which guarantee compatibility with all popular DDC systems. The sensor elements are precision thermistors or platinum RTDs. Field calibration is not generally required. The probe is epoxy sealed to prevent moisture from migrating into the probe. Custom probe lengths, wire types and sensor elements are available for large OEM projects. Ask about our plastics & metal manufacturing capabilities for custom housings as well.

### ⚙️ Specifications:

Nominal Resistance	:	R25=10.00kΩ±1%
B Value	:	B25/50=3950K±1%
Optimal Operating Temperature Range	:	-40 ~ +120°C
Insulated Resistance	:	500VDC in water, >100MΩ
Breakdown Voltage	:	1500VAC, 1min.

### ⚙️ Dimension:



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### HOW TO ORDER

**Description:** PRB

PRB Temperature Probe

**Probe:** 0.6

0.6 0.6" stainless steel probe

**TEMPERATURE CURVE:**

2 PT-100 3 Wire	5 1.8K $\Omega$ Thermistor	6 3k $\Omega$ Thermistor	7
7 10K $\Omega$ Thermistor,Type 2	9 100K $\Omega$ Thermistor	11 LM334 IC SENSOR	
12 PT-1000, 2 Wire	13 Ni-1000,2 Wire	20 20k $\Omega$ Thermistor	
21 LM335 IC SENSOR	24 100K $\Omega$ Thermistor,Type 3		

\*Thermistors,pt elements and probe sizes for all popular control systems are available,send us an email if you don't see what you need online.

Ordering Example: PRB - 0.6 - 7