

SSPRT provides an affordable alternative for precision temperature measurement and calibration in labs & fields. Metal Sheathed Semi Standard Platinum Resistance Thermometer is widely used as a reference to calibrate various temperature probes, particularly in secondary calibration laboratories.

SSPRT is constructed with a 6 mm outer diameter metal sheath of high durability. Inside the sheath, the sensing element is protected to shield the sensor from contamination by free floating metal ions found within metal environment at high temperatures.

The electrical configuration is a four wire current potential hookup to eliminate effect of lead wire resistance. A special powder mixture is filled into the sensor capsule to support the element wire to protect the element from mechanical shocks. The element is housed in a special protective Assembly to ensure minimum drift over long term use.



## Technical Specifications

<b>Model</b>	SSPRT
<b>Make</b>	Tempsens
<b>Resistance at 0°C</b>	100 ±1Ω
<b>Temperature Coefficient</b>	0.00385 Ω/ Ω/°C
<b>Temperature Range</b>	-200 °C to 670°C
<b>Sheath Material</b>	Inconel 600
<b>Drift</b>	±30m°C at 0°C after 100 hours at 660°C
<b>Dimension</b>	(6.0 mm X 450 mm)
<b>Extension leads</b>	1.5m Teflon Insulated Copper Cable
<b>Short Term Stability</b>	0.01°C
<b>Handle Dimension</b>	15 mm (OD) X 100 mm( L)
<b>Calibration (Optional)</b>	5 Fixed Point Calibration ITS90

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