

STANDARD RTD SENSOR

Semi Standard Platinum Resistance

Model : SSPRT



INTRODUCTION

SSPRT is Highly Accurate Platinum Resistance Thermometer (PT 100) offer the temperature range of - 200 to 660°C. SSPRT gives the benefit of high accuracy and low drift in a solid metal case. Wire wound resistance element give good stability with low temperature coefficient and high accuracy.

SSPRT is constructed with a 6 mm outer diameter of Inconel sheath of high durability. SSPRT is available in different accuracies and length. A special powder mixture is filled into the sensor capsule to support the element from mechanical shocks. This model is supplied with 5 point calibration or fixed point ITS-90 Chart with smaller uncertainty.

APPLICATIONS

Used as a reference standard to calibrate various Temperature probes, Drywell calibrator, Liquid bath, Etc.,. In all type of Industries and calibration Laboratories.

FEATURES

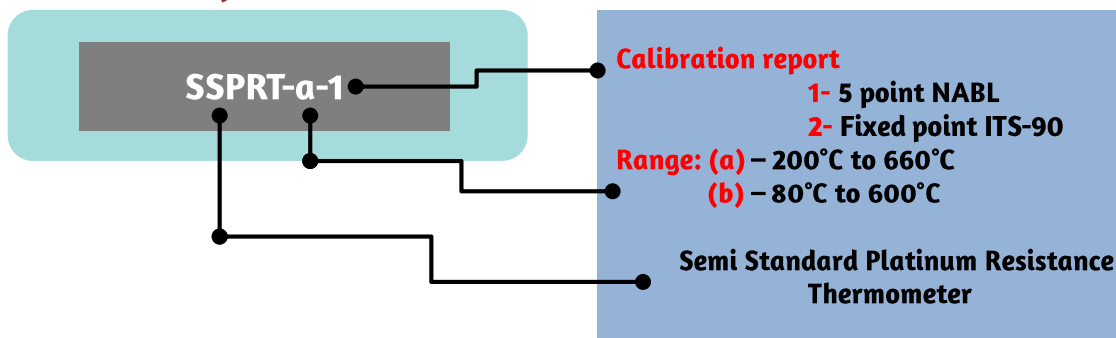
- ✓ Temperature range from -200 to 660°C
- ✓ 6mm O.D & 450mm Length
- ✓ Outer sheath SS 316 / Inconel
- ✓ High accuracy & Stability
- ✓ Manufactured & tested under strict quality control standards
- ✓ Cycled to stability
- ✓ Fast response
- ✓ Low Drift
- ✓ ISO / IEC 17025 Accredited calibration certificate.

Technical Specifications

Model	SSPRT
Type	PT 100
Temperature Range*	(a) -200 to 660°C (b) -80 to 600°C
Temperature co-efficient	0.00385 Ω / Ω / °C
Stability	RO typical drift < 0.05°C after 100 hrs at 600 °C
Thermal shock	RO typical drift < 0.01°C after 100 times from 25 to 600 °C
Vibration	withstand 10 to 2000Hz at 20 G's
Recommended measuring current	1mA
Sheath Diameter	6mm
Sheath Length	450mm
Cable Length	1500mm
Outer Sheath	SS-316
End Connection	Flying Lead, 4 wire
Case dimension (Approx.)	80mm(H) x 750mm(W) x 80mm(D)
Gross weight (Approx.)	2.75kg (6 lbs)
Calibration Option	5 point NABL (or) Fixed point ITS-90 Resistance Vs Temperature chart

Note*: It is better for continuous application to return it's accuracy and long life
Due to continuous product improvements, Published specifications may change with out notice

ORDERING INFORMATION



SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879

(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

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