

425°C Working Standard PRT

The model WSP425 PRT is a good choice for lower temperature range is required.

The sheath is of stainless steel construction with a strain free wire wound .3924 alpha sensing element.

The WSP425 PRT can be used as a working standard in calibration baths, furnaces, fluidized baths, dry block calibrators or for any other temperature calibration work.

Combine it with our model Tecal Accu-Temp RTD indicator for a system with high overall accuracy. The WSP425 PRT includes a NIST traceable ITS-90 calibration with coefficients and R vs T table.

Technical Specification

Resistance at 0° C:	100 ohms
Temperature range:	-200 to 425°C
Calibrated temperature range:	-50 to 425°C
Temperature coefficient:	0.003924 $\Omega / \Omega / ^\circ C$ minimum
Stability:	Meets IEC stability specifications after 250 hours exposure to extremes of temperature range. Typical drift is less than 0.05°C (0.02 Ω) at 0°C.
Repeatability:	Meets IEC requirements. Typical shift less than 0.05°C (0.02 Ω) at 0°C after ten cycles over range.
Dimensions:	0.25" dia. x 12" L , custom sizes available
Tolerance at 0° C:	$\pm 0.06\%$, IEC DIN class A
Lead wires:	4 wire Teflon insulated, stranded 22 AGW copper x 6" Long

Calibration

Each WSP350 PRT includes an ITS-90 NIST traceable calibration with a+, b+, a- and b- coefficients and R vs T table. A padded carrying case is also included.

Calibrated uncertainty (K=2)

-50°C $\pm 0.040^\circ C$
-20°C $\pm 0.035^\circ C$
0°C $\pm 0.030^\circ C$
100°C $\pm 0.035^\circ C$
350°C $\pm 0.050^\circ C$
(Calibrations down to -196°C available upon request.)

Accessories

FWSP350I	425°C Working Std 1/4" PRT
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