Pt100 Precision Probe with 2 metre lead - Type RTD / PRT - 6.0mm Diameter - 250mm Length with Bare Tails Termination





Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockings of Thermocouple Cables. The Company has been trading since 1971 and is ISO9001 accredited.

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Datasheet

Precision Pt100 sensor offering high accuracy over the range -50 to 250°C or 0°C to 450°C. Ideal for use as a reference probe for comparison calibration of industrial sensors in temperature calibration baths, or for those looking for a high accuracy probe better than the usually offered class A or B types. These Precision Pt100 sensors have accuracies better than 1/5 DIN (ie. ±0.06°C @ 0°C).

High accuracy, better than 1/5 DIN

250°C & 450°C versions

PRT sensor assemblies are constructed using sensing resistors (detectors) of the specified tolerance (i.e. Class A, 1/5DIN, 1/10DIN etc.). This tolerance refers to the detector only, not the complete, fabricated probe. Detector tolerance is rarely achieved via the probe terminations due to lead resistance effects, welding of extension leads to the detector and general manipulation during construction. The true measurement uncertainties are available via optional UKAS traceable Probe Calibration.

Specifications

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Product Code	XE-3690-001
General Description	Ideal for use as a reference probe for comparison calibration of industrial sensors in temperature calibration baths
Sensor Type	Pt100 (100 Ohms @ 0°C)
Cable Connection	4-Wire current and voltage
Calibration	ISO17025 (UKAS) calibration not included - please contact our sales team if required
Probe Diameter	6.0mm
Probe Length	250mm
Sheath Material	Stainless steel 316 sheath
Cable Length	2M
Cable Type	PTFE insulated screened lead
Core / Strands	7/0.2mm
Cable Termination	Bare Tails

Max. Temperature	250°C
Min. Temperature	-50°C
Accuracy	±0.06°C @ 0°C
Series	Pt100 Precision Probe