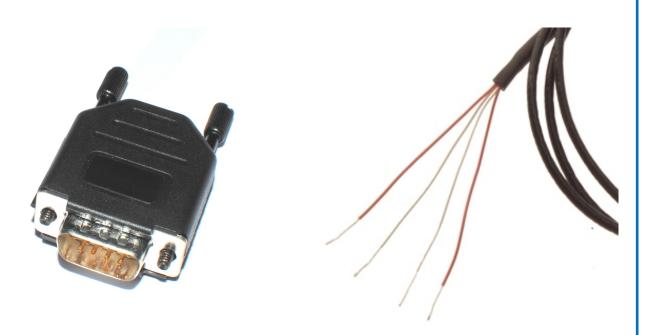


Pt100 Precision Probe with 2 metre lead - Type RTD / PRT





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.

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).

Part Number

Description

Temp Range

XE-3690-001 6.0mm x 250mm -50°C to 250°C

XE-3689-001 6.0mm x 350mm 0°C to 450°C

XE-3692-001 6.0mm x 250mm + D Connector -50°C to 250°C

XE-3691-001 6.0mm x 350mm + D Connector 0°C to 450°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.

Need Your Temperature Sensor calibrated?

ISO 17025 (UKAS) calibration options - please contact our sales team using the product enquiry button on this page for pricing.

Please be aware that if you add a calibration option to your order, this will add 7-10 days lead time to your order.

Specifications



Ideal for use as a reference probe for comparison calibration of industrial sensors
in temperature calibration baths
Pt100 (100 Ohms @ 0°C)
4-Wire current and voltage
ISO17025 (UKAS) calibration not included - please contact our sales team if required
6mm
250mm or 350mm
Stainless steel 316 sheath
2m
PTFE insulated screened lead
7/0.2mm
Bare tails or D connector
250mm version : +250°C / 350mm version : +450°C
250mm version : -50°C / 350mm version : 0°C
±0.06°C @ 0°C