

**Pt100 Precision Probe with 2 metre lead - Type  
RTD / PRT - 6.0mm Diameter - 350mm 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.

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.  $\pm 0.06^\circ\text{C}$  @  $0^\circ\text{C}$ ).

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

## Specifications

<b>Product Code</b>	XE-3689-001
<b>General Description</b>	Ideal for use as a reference probe for comparison calibration of industrial sensors in temperature calibration baths
<b>Sensor Type</b>	Pt100 1/5th Din, 4 wire
<b>Cable Connection</b>	4-Wire current and voltage
<b>Calibration</b>	ISO17025 (UKAS) calibration not included - please contact our sales team
<b>Probe Diameter</b>	6mm
<b>Probe Length</b>	350mm
<b>Sheath Material</b>	Stainless steel 316 sheath
<b>Cable Length</b>	2m
<b>Cable Type</b>	PFA insulated screened lead
<b>Core / Strands</b>	7/0.2mm
<b>Cable Termination</b>	Bare tails



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TEMPERATURE & PROCESS TECHNOLOGY

<b>Max. Temperature</b>	+450°C
<b>Min. Temperature</b>	0°C
<b>Accuracy</b>	High accuracy, +/- 0.06°C at 0°C