

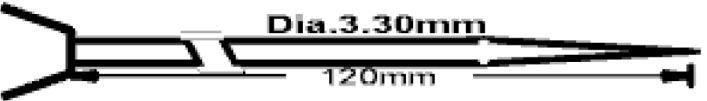
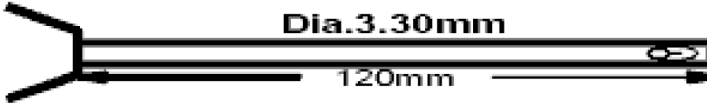
PT-100 Temperature Sensors

Platinum resistance thermometers (PRTs) offer excellent accuracy over a wide temperature range (from -200 to 850 °C). Sensors are interchangeable between different manufacturers, and are available in various accuracy ratings and packages to suit most applications. Unlike thermocouples, it is not necessary to use special cables to connect to the sensor.



Pico Technology supplies a range of Class A sensors (± 0.15 at 0 °C) and tenth-DIN sensors (± 0.03 at 0 °C). Specialist manufacturers can provide sensors with 0.001 at 0 °C accuracy (at a price). Please note that these accuracy specifications relate to the SENSOR ONLY. It is necessary to add the sensor error to the PT-104 error.

Class A and Tenth-DIN PT100 Probes

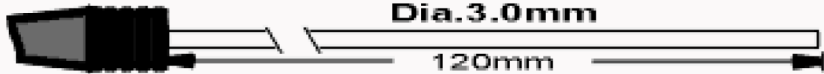
Probe	Description	Illustration
SE011	General Purpose Probe Temperature range: -50 to +500 °C Dimensions: 6 x 150 mm <div>1</div>	
SE012	1/10 th DIN Precision Probe Temperature range: -50 to +250 °C Dimensions: 4 x 150 mm <div>1</div>	
SE014	Immersion Probe PT100 Class A tolerance Temperature range: -75 to +250 °C <div>1</div>	 A technical drawing of a cylindrical immersion probe. The probe has a diameter of 3.30mm and a length of 120mm. It features a standard three-pronged mounting bracket on one end.
SE015	Insertion Probe PT100 Class A tolerance Temperature range: -75 to +250 °C <div>1</div>	 A technical drawing of a tapered insertion probe. The probe has a diameter of 3.30mm at the base and tapers to a point. The length of the main cylindrical section is 120mm. It includes a three-pronged mounting bracket.
SE016	Insertion Probe Heavy Duty PT100 Class A tolerance Temperature range: -150 to +650 °C <div>1</div>	 A technical drawing of a heavy-duty tapered insertion probe. The probe has a diameter of 4.00mm at the base and tapers to a point. The length of the main cylindrical section is 150mm. It features a three-pronged mounting bracket.
SE017	Air Probe Fast Response PT100 Class A tolerance Temperature range: -75 to +250 °C <div>1</div>	 A technical drawing of an air probe. The probe has a diameter of 3.30mm and a length of 120mm. It has a three-pronged mounting bracket on one end and a small circular feature, likely for air supply, on the other end.

SE018	Air Probe High Temperature PT100 Class A tolerance Temperature range: -150 to +650 °C	
	<div>1</div>	

Low Cost PT100 Probe

The SE019 is low cost, robustly constructed with a stainless steel protection sheath, moulded mini handle with built in stress relief and complete with 1 Metre of cable.



Probe	Description	Illustration
SE019	PT100 General Purpose Temperature range: -75 to +260 °C	
	<div>1</div>	

* US Dollar and Euro prices are approximate.