

# General Purpose Process PT100 Temperature Sensors



This series temperature sensor is a general purpose product designed for use in the process industry. It consists of a Pt100 temperature sensor housed in a 316 L Stainless Steel probe. It has a variable diameter stem with custom choice of probe length. Housed in an aluminium alloy connection head. Compression fittings are also available for installation. These probes can be used as stand-alone sensors, or they can be configured with a variety of termination options, and combined with controllers, indicators, or temperature transmitter to create complete measurement systems.

## Specification

Material Body : Stainless steel AISI 316L (1.4404)

Sensing Elements: PT100 Platinum Elements per IEC751 ( $\alpha = 0.00385 \Omega/\Omega/^\circ\text{C}$ )

Wiring: 2, 3 or 4 wire

Configuration: Single or Duplex Element

Accuracy :  $\pm 0.03^\circ\text{C}$  to  $\pm 0.3^\circ\text{C}$  depending upon class selection

Operating Temperature: from  $-200$  to  $+650^\circ\text{C}$  selection dependant

Output: Pt100 or 4/20mA

Head Types: Aluminium Alloy, SS316, Plastic

Protection: IP67

## Accessories



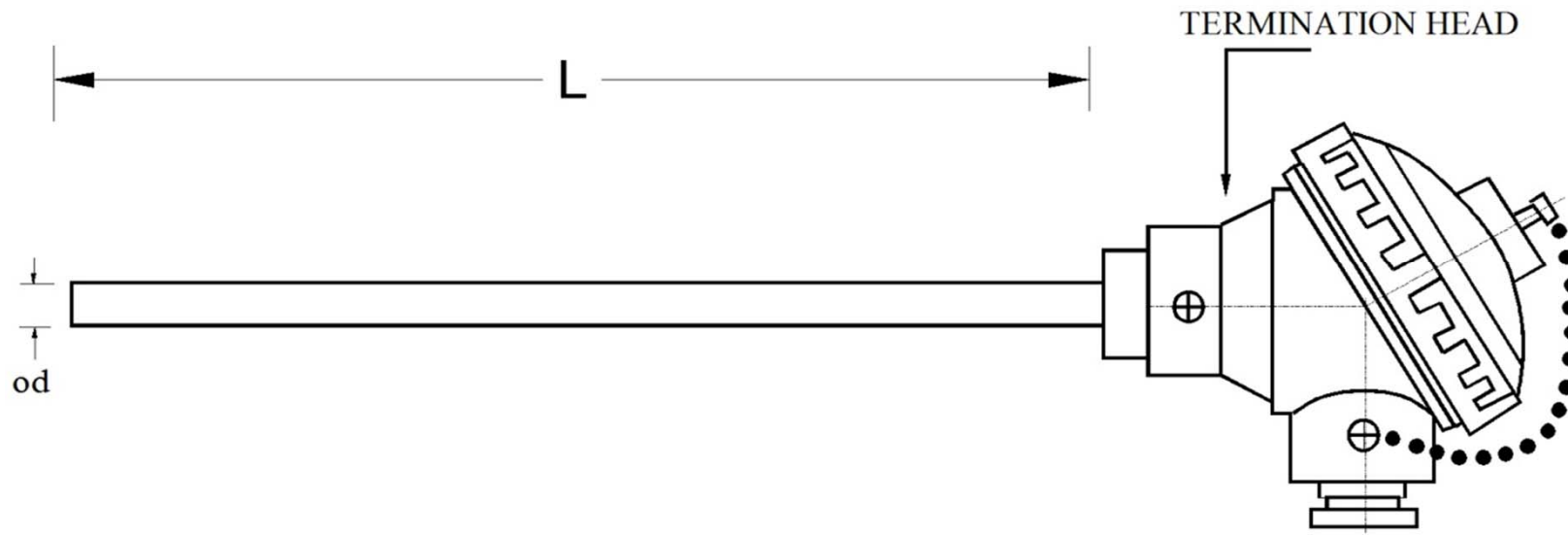
Fittings



4/20mA Transmitters



Controllers



	<b>Model</b>
	<b>Maximum Operating Temperature</b> 250C 650C
	<b>Number of Wires</b> 3 wire = 3W 4 wire = 4W
	<b>Element/Tolerance</b> S = Single D = Duplex B = Class B A = Class A 10 = Class 1/10th
	<b>Sheath Diameter</b> 3 = 3mm, 6 = 6mm, 8 = 8mm, 10 = 10mm
	<b>Sheath Length in mm</b>
	<b>Termination Head Style</b> KN, DinB, KNB, KNSS, 316L
	<b>Termination</b> TB = Terminal Block, FL = Flying Leads, TX = Transmitter
	<b>Process Fitting</b> 0 = None, 14 = 1/4", 12 = 1/2", 34 = 3/4", UN = Union, DF = Duct Flange