

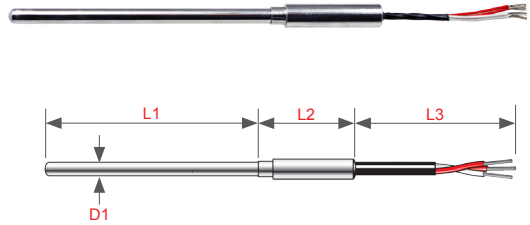
PPS Fabricated RTD (Pt100/Pt1000) Sensor with Pot Seal (+260°C) PMI Mineral Insulated RTD (Pt100/Pt1000) Sensor with Pot Seal (+500°C)

PPS Fabricated RTD Sensor with Pot Seal (+260°C)

PPS sensors are custom manufactured and available with a 3.0mm, 4.5mm, 6.0mm or 8.0mm diameter 316 stainless steel probe. The sensors are supplied complete with an epoxy resin sealed plain pot seal and PVC or PFA insulated extension cable. Can be supplied as simplex or duplex, with a wiring configuration of 2, 3 or 4-wire to suit your application requirements. The stem of the sensor is temperature rated -30°C to +105°C for sensors manufactured with a PVC cable, and -75°C to +260°C for sensors manufactured with a PFA cable.

PMI Mineral Insulated RTD Sensor with Pot Seal (+500°C)

PMI mineral insulated sensors are available with a 3.0mm, 4.5mm, 6.0mm or 8.0mm diameter 316 stainless steel probe. The sensors are supplied complete with an epoxy resin sealed plain pot seal and with PVC or PFA insulated extension cable. Can be supplied as simplex or duplex, with a wiring configuration of 2, 3 or 4-wire to suit your application requirements. The mineral insulated construction allows the sensors to be bent and protects the Pt100/Pt1000 element against failure caused by vibration. The stem of the sensor is temperature rated -75°C to +500°C.



- Pt100 or Pt1000 as standard (other elements available)
- Fabricated (PPS) or Mineral Insulated (PMI) options
- 3.0mm, 4.5mm, 6.0mm or 8.0mm Ø St/St probe
- 2, 3 or 4-wire configuration
- Terminated with an epoxy resin sealed plain pot seal
- Ex-stock options available

1	Sensor Type			Code			
	Fabricated RTD Pt100 Sensor with Pot Seal (+260°C)			PPS			
	Fabricated RTD Pt1000 Sensor with Pot Seal (+260°C)			PPSK			
	Mineral Insulated RTD Pt100 Sensor with Pot Seal (+500°C)			PMI			
Mineral Insulated RTD Pt1000 Sensor with Pot Seal (+500°C)			PMIK				
2	Probe Diameter (D1)			Code			
	3.0mm			3.0			
	4.5mm			4.5			
	6.0mm			6.0			
8.0mm			8.0				
3	Detector Elements - Simplex / Duplex			Code			
	Simplex (1 channel)			S			
	Duplex (2 channels)			D			
4	Probe Length (mm) (L1)			Code			
	As required to suit your application (stock sensors also available)			e.g. 250			
5	Wiring Configuration			Code			
	2-wire			2			
	3-wire			3			
	4-wire (Simplex only)			4			
6	Grade of Element	Accuracy at 0°C	Accuracy at 100°C	Note	Code		
	B	± 0.30°C	± 0.80°C	Accuracies quoted are for the element and may not be the actual accuracy of the completed assembly.	B		
	A	± 0.15°C	± 0.35°C		A		
	1/3 (Pt100 only)	± 0.08°C	± 0.19°C		1/3		
	1/5 (Pt100 only)	± 0.05°C	± 0.15°C		1/5		
	1/10 (Pt100 only)	± 0.03°C	± 0.12°C		1/10		
7	Cable Length (mm) L3	Extension Cable / Configuration			Code		
	As required to suit your application (e.g. 200mm)	PFA Insulated Tails	PFA (no outer sheath) 7/0.2mm Ø	-	PFA720		
		PVC Insulated, Screened (+105°C) (6.0mm Ø only) (page 52)	PVC/PVC 7/0.2mm Ø	3-wire	PT1320		
				4-wire	PT1420		
				6-wire	PT1620		
		PFA Insulated, Screened (+260°C) (page 52)	PFA/PFA 7/0.2mm Ø	3-wire	PT5320		
				4-wire	PT5420		
6-wire		PT5620					
See page 52 for our full range of RTD cable. Note: if stainless steel conduit is required suffix cable code with 'SSC' (e.g. PT1320/SSC).							
8	Optional 316 Stainless Steel Compression Fittings (to suit probe diameter)			Code			
		1/8" BSPT	1/4" BSPT	1/2" BSPT			
		3.0mm	CF30AS	CF30CS	CF30ES		
		4.5mm	CF45AS	CF45CS	CF45ES		
		6.0mm	CF60AS	CF60CS	CF60ES		
		8.0mm	-	CF80CS	CF80ES		
Brass adjustable compression fittings also available. See page 63 for our full range.							

Order Code (example)	1	2	3	4	5	6	7	8
	PPS	- 4.5	- S	- 200	- 3	- B	- 200mm	PT1320 - CF45CS