

## 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.

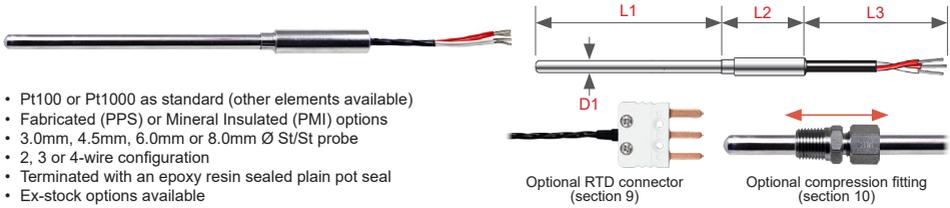
The stem of the sensor is temperature rated -30°C to +105°C for sensors manufactured with a PVC cable, and -75°C to +260°C for sensors with a PFA cable.

### 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	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	code
	B	± 0.30°C	± 0.80°C	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
	As required to suit your application (e.g. Code = 200)

8	extension cable / configuration		code
	PFA Insulated Tails	PFA (no outer sheath) 7/0.2mm Ø	-
	PVC Insulated, Screened (+105°C) (6.0mm Ø only) (see page 52)	PVC/PVC 7/0.2mm Ø	3-wire 4-wire 6-wire
	PFA Insulated, Screened (+260°C) (see page 52)	PFA/PFA 7/0.2mm Ø	3-wire 4-wire 6-wire

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).

9	optional RTD connector (supplied attached to cable)		code
		Miniature RTD Plug	FMPU
		Miniature 3-Pin RTD Plug	FMPTU
		Standard RTD Plug	RSPU
		Standard 3-Pin RTD Plug	RSPTU

See pages 53-58 for our full range of RTD connectors.

10	optional 316 stainless steel compression fitting (to suit probe diameter)		code		
		3.0mm	1/8" BSPT	1/4" BSPT	1/2" BSPT
		4.5mm	CF30AS	CF30CS	CF30ES
		6.0mm	CF45AS	CF45CS	CF45ES
		8.0mm	CF60AS	CF60CS	CF60ES
			-	CF80CS	CF80ES

Brass adjustable compression fittings also available. See page 60 for our full range.

order code (example) 1 2 3 4 5 6 7 8 9 10  
PPS - 4.5 - S - 200 - 3 - B - 200 - PT1320 - FMPU - CF45CS