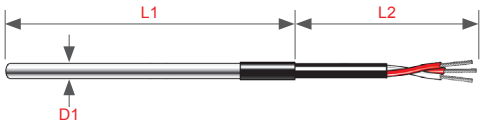
PPC RTD (Pt100/Pt1000) Sensor with Crimp Seal

Low cost Platinum Resistance Thermometers, supplied with a crimp seal. Available with a 3.0mm, 4.0mm, 4.5mm or 6.0mm diameter 316 stainless steel probe.

The sensors are supplied complete with a plain crimp seal that is heatshrink covered (7mm long / ±2mm) and with PVC, PFA, Silicone Rubber or Fibreglass insulated extension cables. 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, -75°C to +260°C for PFA cable, -40°C to +200°C for Silicone Rubber cable and up to +400°C for Fibreglass/SSB cable.

- Pt100 or Pt1000 as standard (other elements available)
- 3.0mm, 4.0mm, 4.5mm or 6.0mm Ø 316 stainless steel probe
- 2, 3 or 4-wire configuration
- Terminated with a plain crimp seal and, as standard, with a heatshrink strain relief (+120°C)
- PVC, PFA, Silicone Rubber, Fibreglass/SSB extension cable options
- Ex-stock options available

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Sensor Type	Code
RTD Pt100 Sensor with Crimp Seal	PPC
RTD Pt1000 Sensor with Crimp Seal	PPCK

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Probe Diameter (D1)	Code
3.0mm	3.0
4.0mm	4.0
4.5mm	4.5
6.0mm	6.0

Imperial sizes (1/8", 3/16" and 1/4" tubes) also available.

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Detector Elements - Simplex / Duplex	Code
Simplex (1 channel)	S
Duplex (2 channels)	D

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Probe Length (mm) (L1)	Code
As required to suit your application (stock sensors also available)	e.g. 250

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Wiring Configuration	Code
2-wire	2
3-wire	3
4-wire (Simplex only)	4

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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

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Cable Length (mm) L2	Extension Cable / Configuration		2-wire	3-wire	4-wire	6-wire *
As required to suit your application (e.g. 200mm)	PVC Insulated (+105°C) 6.0mm Ø only (page 52)	PVC/PVC 7/0.2mm Ø	PT2220	PT2320	PT2420	-
	PFA Insulated (+260°C) (page 52)	PFA/PFA 7/0.2mm Ø	PT4220	PT4320	PT4420	PT4620
	PFA/Silicone Rubber (+200°C) (clear outer sheath)	PFA/SR 7/0.2mm Ø	PT6220	PT6320	PT6420	PT6620
	Fibreglass/SSB (+400°C) (page 52)	FG/FG/SSB 7/0.2mm Ø	PT8220	PT8320	PT8420	-

See page 52 for our full range of RTD cable.

* 6-wire = Duplex only

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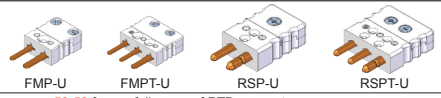
Optional RTD Connector (supplied attached to cable)	Code
Miniature RTD Plug	FMPU
Miniature 3-Pin RTD Plug	FMPTU
Standard RTD Plug	RSPU
Standard 3-Pin RTD Plug	RSPTU



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

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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
4.0mm	CF40AS	CF40CS	CF40ES
4.5mm	CF45AS	CF45CS	CF45ES
6.0mm	CF60AS	CF60CS	CF60ES

Brass adjustable compression fittings also available. See page 63 for our full range.

Order Code (example)	1	2	3	4	5	6	7	8	9
	PPC	- 6.0	- S	- 200	- 3	- B	- 200mm PT4320	- FMPU	- CF60CS