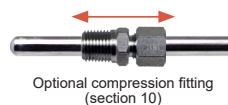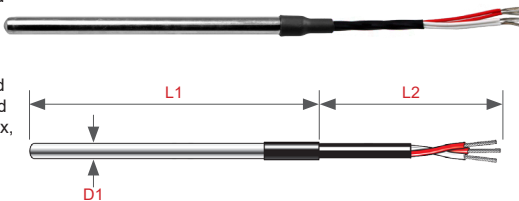## PPC Fabricated RTD (Pt100/Pt1000) Sensor with Crimp Seal

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.

Optional RTD connector (section 9)

Optional compression fitting (section 10)

- 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

1	sensor type	code
	Fabricated RTD (Pt100) Sensor with Crimp Seal	PPC
	Fabricated RTD (Pt1000) Sensor with Crimp Seal	PPCK

2	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.

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	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) L2	code
	As required to suit your application	e.g. 200

8	extension cable / configuration (full range page 52)		2-wire	3-wire	4-wire	6-wire *
	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	PTS6220	PTS6320	PTS6420	PTS6620
	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

9	optional RTD connector (supplied attached to cable)	code
	FMP-U FMPT-U RSP-U RSPT-U	
	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		
		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 60 for our full range.

	1	2	3	4	5	6	7	8	9	10
order code (example)	PPC -	6.0 -	S -	200 -	3 -	B -	200	PT4320 -	FMPU -	CF60CS