

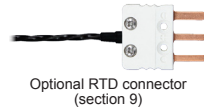
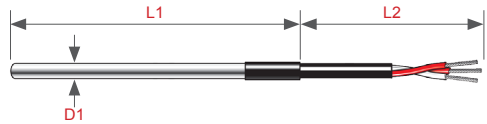
PPC Fabricated RTD (Pt100/Pt1000) Sensor with Crimp Seal

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.

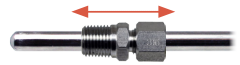
The sensors are supplied complete with a plain crimp seal that is heatshrink covered (7mm long / ± 2 mm) and with PVC, PFA, Silicone Rubber or Fibreglass insulated extension cables. Can be supplied as simplex or duplex, with a wiring configuration of 2, 3 or 4-wire to suit your application requirements.

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 \varnothing 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



Optional RTD connector (section 9)



Optional compression fitting (section 10)

| 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 | 6 | grade of element | accuracy at 0°C | accuracy at 100°C | code |
|---|-----------------------|------|---|-------------------|--------------------------|--------------------------|------|
| | 2-wire | 2 | | B | $\pm 0.30^\circ\text{C}$ | $\pm 0.80^\circ\text{C}$ | B |
| | 3-wire | 3 | | A | $\pm 0.15^\circ\text{C}$ | $\pm 0.35^\circ\text{C}$ | A |
| | 4-wire (Simplex only) | 4 | | 1/3 (Pt100 only) | $\pm 0.08^\circ\text{C}$ | $\pm 0.19^\circ\text{C}$ | 1/3 |
| | | | | 1/5 (Pt100 only) | $\pm 0.05^\circ\text{C}$ | $\pm 0.15^\circ\text{C}$ | 1/5 |
| | | | | 1/10 (Pt100 only) | $\pm 0.03^\circ\text{C}$ | $\pm 0.12^\circ\text{C}$ | 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 \varnothing only (page 52) | PVC/PVC 7/0.2mm \varnothing | PT2220 | PT2320 | PT2420 | - |
| | PFA Insulated (+260°C) (page 52) | PFA/PFA 7/0.2mm \varnothing | PT4220 | PT4320 | PT4420 | PT4620 |
| | PFA/Silicone Rubber (+200°C) (clear outer sheath) | PFA/SR 7/0.2mm \varnothing | PT6220 | PT6320 | PT6420 | PT6620 |
| | Fibreglass/SSB (+400°C) (page 52) | FG/FG/SSB 7/0.2mm \varnothing | 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 |
|---|---|--------------------------|-------|
| | | 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.

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

