

PSFB Fabricated RTD (Pt100/Pt1000) Sensor with Standard Head & Process Connection (+260°C)
PSFBI Mineral Insulated RTD (Pt100/Pt1000) Sensor with Standard Head & Process Connection (+500°C)

Platinum Resistance Thermometers, available with a 6.0mm or 8.0mm diameter 316 stainless steel probe.

The sensors are terminated with an IP67 rated standard (heavy duty) die cast alloy terminal head which has a 20mm x 1.5mm (M20) cable entry. Inside the head is a ceramic terminal block which makes connections to the extension cables very easy. Available as Simplex or Duplex in 2, 3 or 4-wire configurations. A 4~20mA transmitter can be mounted in the terminal head if required.

Supplied with a fixed process connection, positioned directly below the terminal head to allow mounting into the application.

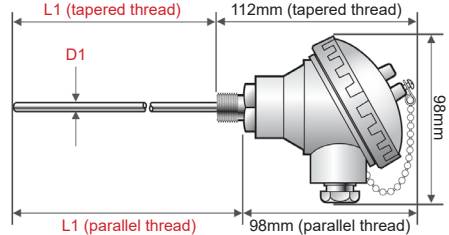


PSFB Fabricated RTD Sensor (+260°C)

The PSFB fabricated sensor is supplied with a rigid 316 Stainless Steel sheath. Where the design allows, the sensors are powder-filled to protect the element from damage caused by vibration. Suitable for use between -75°C and +260°C.

PSFBI Mineral Insulated RTD Sensor (+500°C)

The PSFBI mineral insulated sensor is supplied with a 316 Stainless Steel sheath which is suitable for use over a wider temperature range. The mineral insulated construction allows the sensors to be bent (100mm from tip) and protects the Pt100/Pt1000 element against failure caused by vibration. Suitable for use between -75°C and +500°C.



Optional transmitter (section 8)

- Pt100 or Pt1000 sensor (fabricated or mineral insulated)
- 1/4", 1/2" or 3/4" process connection (tapered or parallel)
- 6.0mm or 8.0mm Ø 316 stainless steel probe
- Simplex or Duplex, 2, 3 or 4-wire configuration
- Terminated with IP67 rated standard die cast alloy head (M20 cable entry)
- **PSFB:** suitable for use between -75°C and +260°C
- **PSFBI:** suitable for use between -75°C and +500°C

1	sensor type		code	
	Fabricated RTD (Pt100) Sensor with Standard Terminal Head and Process Connection		PSFB	
	Fabricated RTD (Pt1000) Sensor with Standard Terminal Head and Process Connection		PSFBK	
	Mineral Insulated RTD (Pt100) Sensor with Standard Terminal Head and Process Connection		PSFBI	
	Mineral Insulated RTD (Pt1000) Sensor with Standard Terminal Head and Process Connection		PSFBIK	
2	probe diameter (316 stainless steel) (D1)		code	
	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	process connection (item)	code	process connection (item)	code
	1/4" BSPP	W	1/4" BSPT	C
	1/2" BSPP	Y	1/2" BSPT	E
	3/4" BSPP	Z	3/4" BSPT	G

NPT options also available

6	wiring configuration	code	7	grade of element	accuracy at 0°C	accuracy at 100°C	code
	2-wire	2		B	± 0.30°C	± 0.80°C	B
	3-wire	3		A	± 0.15°C	± 0.35°C	A
	4-wire (Simplex only)	4		1/3	± 0.08°C	± 0.19°C	1/3
				1/5	± 0.05°C	± 0.15°C	1/5
				1/10	± 0.03°C	± 0.12°C	1/10

8	optional head mounting 4~20mA transmitter (replaces ceramic terminal block)		code
	Linearised, Head Mounting 4~20mA Transmitter, 24VDC Power Supply, Non-isolated (pre-ranged to suit your requirements)		TXHU (range) Example: TXHU (0/200°C)

See page 83 for a full specification of the TXHU transmitter. Isolated version also available.

ATEX versions also available

order code (example)	1	2	3	4	5	6	7	8
	PSFB	- 6.0	- S	- 250	- Y	- 3	- B	- TXHU (0/200°C)

