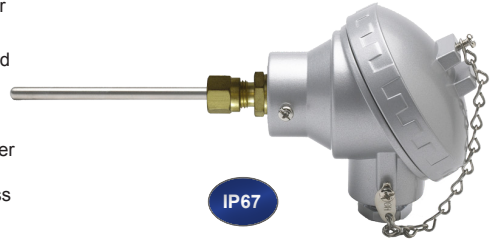


PSH Fabricated RTD (Pt100/Pt1000) Sensor with Standard Head (+250°C) PSHI Mineral Insulated RTD (Pt100/Pt1000) Sensor with Standard Head (+500°C)

Platinum Resistance Thermometers, available with a 4.5mm, 6.0mm or 8.0mm diameter 316 stainless steel probe.

The PSH and PSHI 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 as standard with a brass compression fitting attached to the terminal head (stainless steel options available on request).

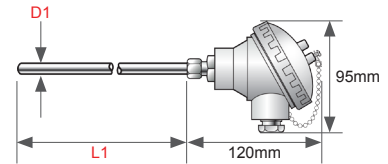


PSH Fabricated RTD Sensor with Standard Head (+250°C)

The PSH 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 +250°C.

PSHI Mineral Insulated RTD Sensor with Standard Head (+500°C)

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



- Pt100 or Pt1000 as standard (other elements available)
- 4.5mm, 6.0mm or 8.0mm Ø 316 stainless steel probe
- 2, 3 or 4-wire configuration
- Terminated with IP67 rated standard die cast alloy head (M20 cable entry)
- **PSH:** suitable for use between -75°C and +250°C
- **PSHI:** suitable for use between -75°C and +500°C
- Ex-stock options available

1	Sensor Type		Code		
	Fabricated RTD Pt100 Sensor with Standard Terminal Head		PSH		
	Fabricated RTD Pt1000 Sensor with Standard Terminal Head		PSHK		
	Mineral Insulated RTD Pt100 Sensor with Standard Terminal Head		PSHI		
Mineral Insulated RTD Pt1000 Sensor with Standard Terminal Head		PSHIK			
2	Probe Diameter (316 Stainless Steel) (D1)		Code		
	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 (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	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		
7		Optional 316 St/St Compression Fittings (to suit probe diameter)			Code
			1/8" BSPT	1/4" BSPT	1/2" BSPT
		4.5mm	CF45AS	CF45CS	CF45ES
		6.0mm	CF60AS	CF60CS	CF60ES
		8.0mm	-	CF80CS	CF80ES
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) e.g. TXHU (0/200°C)

See page 87 for a full specification of the TXHU transmitter. Isolated version also available.

ATEX versions also available (contact sales)

Order Code (example)

1 2 3 4 5 6 7 8
PSH - 6.0 - S - 100 - 3 - B - CF60CS - TXHU (0/200°C)

