

## PHY RTD (Pt100/Pt1000) Sensor with Hygienic Process Connection (+260°C)

Ideal for hygienic processes including dairy, brewery and pharmaceutical applications. The sensors can be supplied with a 3.0mm, 4.5mm, 6.0mm, 8.0mm or 10.0mm diameter 316 stainless steel probe.

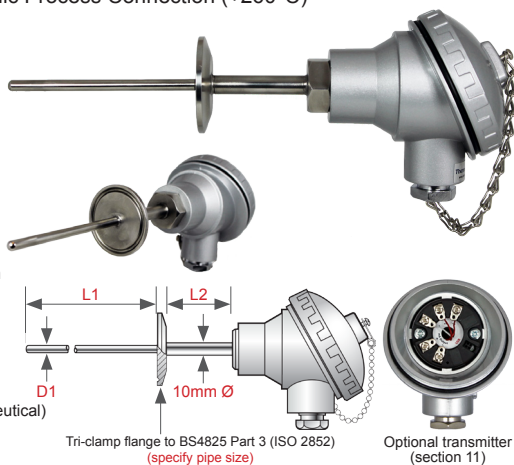
Terminal heads are available in IP67 or IP68 rated Die Cast Alloy, Heavy Duty Stainless Steel, Glass Filled Nylon or Polypropylene, with a 20mm x 1.5mm (M20) cable entry. Inside the head is a ceramic terminal block which makes the connections to the extension cables very easy.

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.

Suitable for use between -75°C and +260°C.

A calibration certificate can be provided if required.

- Pt100 or Pt1000 as standard (other elements available)
- 3.0, 4.5, 6.0, 8.0 or 10.0mm Ø 316 stainless steel probe
- Ideal for hygienic processes (e.g. dairy, brewery, pharmaceutical)
- 2, 3 or 4-wire configuration
- Suitable for use between -75°C and +260°C



1	sensor type	code
	RTD Pt100 Sensor with Hygienic Process Connection	PHY
	RTD Pt1000 Sensor with Hygienic Process Connection	PHYK

2	probe diameter (316 stainless steel) (D1)	code
	3.0mm	3.0
	4.5mm	4.5
	6.0mm	6.0
	8.0mm	8.0
	10.0mm	10.0

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	wiring configuration	code	6	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 (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	connection type	code
	Tri-clamp (backnut not required)	T
	RJT (supplied complete with backnut)	R
	IDF (supplied complete with backnut)	I

8	pipe size	½" and ¾"	1" and 1 ½"	2"	2 ½"	3"	4"
	code	A	B	C	D	E	F

9	extension length (mm) (L2)	code
	As required to suit your application	e.g. 100

10	terminal head	code
	Standard Die Cast Alloy	KNE1/2BM20
	Heavy Duty 304 Stainless Steel	KSS1/2BM20
	Standard Plastic (Glass Filled Nylon +200°C)	KNN1/2BM20
	Standard Plastic (Polypropylene +165°C)	KPP1/2BM20

See page 62 for our full range of terminal heads and fittings.

11	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

Thermocouple version page 18

order code (example)	1	2	3	4	5	6	7	8	9	10	11
	PHY	- 6.0	- S	- 150	- 3	- A	- T	- A	- 100	- KSS1/2BM20	- TXHU (0/200°C)

