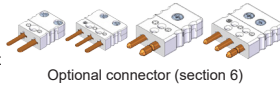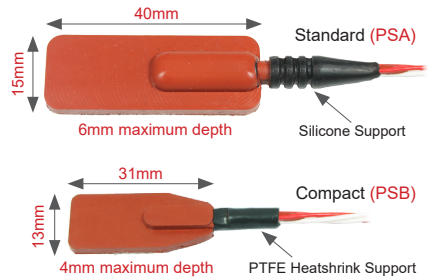## PSA/PSB RTD (Pt100/Pt1000) Silicone Patch Sensor

Self adhesive silicone patch Platinum Resistance Thermometer sensors, commonly used for pipe or surface measurement. Available in two different sizes, but can easily be trimmed if a smaller footprint is required.

Supplied as a 4-wire configuration with a 2 metre PFA insulated stranded extension cable. Custom lengths can be supplied to suit the application.

Operating range -30°C to +200°C. The standard sensor (PSA) has a silicone cable support; the compact sensor (PSB) has a PTFE heatshrink cable support.

PSA patch dimensions: 40mm (L) x 15mm (W) x 6mm max depth.
PSB patch dimensions: 31mm (L) x 13mm (W) x 4mm max depth.

- Self adhesive
- Standard and compact versions available
- -30°C to +200°C operating range
- Commonly used for pipe or surface measurement

40mm

15mm

6mm maximum depth

Standard (PSA)

Silicone Support

31mm

13mm

4mm maximum depth

Compact (PSB)

PTFE Heatshrink Support

Optional connector (section 6)

Self adhesive aluminium back plate

1	sensor type	code
	RTD (Pt100) Standard Silicone Patch Sensor	PSA
	RTD (Pt1000) Standard Silicone Patch Sensor	PSAK
	RTD (Pt100) Compact Silicone Patch Sensor	PSB
	RTD (Pt1000) Compact Silicone Patch Sensor	PSBK

2	wiring configuration	code	3	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					

4	cable length (mm)	code
	As required to suit your application (standard length = 2000mm)	e.g. 2000

5	extension cable	code
	PFA Insulated, Twisted Cores, 7/0.2mm Ø conductors (+260°C), 2-wire	PT3220
	PFA Insulated, Twisted Cores, 7/0.2mm Ø conductors (+260°C), 3-wire	PT3320
	PFA Insulated, Twisted Cores, 7/0.2mm Ø conductors (+260°C), 4-wire	PT3420
	PFA Insulated, Twisted Cores, 7/0.2mm Ø conductors, PFA Sheathed (+260°C), 2-wire (page 52)	PT4220
	PFA Insulated, Twisted Cores, 7/0.2mm Ø conductors, PFA Sheathed (+260°C), 3-wire (page 52)	PT4320
	PFA Insulated, Twisted Cores, 7/0.2mm Ø conductors, PFA Sheathed (+260°C), 4-wire (page 52)	PT4420

6	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

FMP-U   FMPT-U   RSP-U   RSPT-U

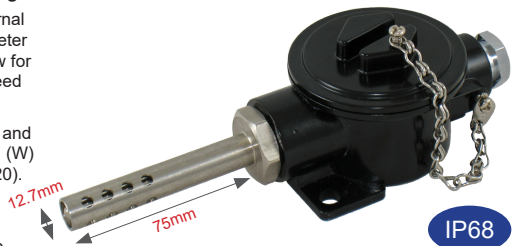| order code (example)	1	2	3	4	5	6
	PSA -	2 -	B -	2000 -	PT3220 -	FMPU

PR RTD (Pt100/Pt1000) Rugged Wall-Mounting Sensor

A rugged construction that is suitable for internal or external applications. The sensor is protected by a 12.7mm diameter x 75mm long perforated sheath. These perforations allow for free circulation of air around the sensor for improved speed of response.

The heavy duty housing can be wall or surface mounted and is rated to IP68. The housing has dimensions of 98.5mm (W) x 56.5mm (D) and has a 20mm x 1.5mm cable entry (M20).

The assemblies are suitable for use between the temperatures of -50°C and +150°C. Supplied 3-wire configuration as standard. 2 or 4-wire configurations also available. Class B elements are supplied as standard.

- Suitable for internal or external applications
- Suitable for use between -50°C and +150°C
- 98.5mm (W) x 56.5mm (D) housing
- M20 cable entry (20mm x 1.5mm)

12.7mm

75mm

IP68

Also available with a head mounting transmitter fitted

order code	Pt100 Sensor	Pt1000 Sensor
	PR-12.7-S-75-3-B	PRK-12.7-S-75-3-B