2 3 4 PPB - S 3

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PPB Miniature Embedment/Bearing RTD (Pt100) Sensor

Embedment RTD sensors are most commonly used to monitor the bearing temperatures of rotating equipment. The recognition of a rising temperature can provide an early warning of the breakdown of the lubrication. This early warning allows the process to be shut-down for maintenance before a major breakdown or costly failure occurs.

The miniature bearing sensors provide a cost-effective solution to bearing temperature monitoring. Suitable for use between -25°C and +260°C.

Easy to install, the sensors are inserted directly into the bearing shoes, in or beneath the Babbitt layer. The small diameter tips are commonly epoxy sealed into drilled holes in the shoes, whilst the spring loaded style tip is inserted into a milled hole, the self-locking retaining clip is then pushed into the hole to compress the spring.

7/0.10mm conductors, extruded PFA, Twisted,

Stainless Steel Wire Braided, PFA overall 7/0.10mm conductors, extruded PFA, Twisted,

Stainless Steel Wire Braided overall

The D (Top-Hat) Style Tip is supplied with a retaining clip and spring.

- · Cost-effective solution to bearing temperature monitoring
- · Easy to install
- · Cap and Top-Hat tip styles

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· Stainless steel and phosphor bronze tip materials

PT6410

PT6610

PT3610/SSB

01628 531166

· Custom extension cable lengths



	standard Tip							top-hat tip			code
Tip Diameter (D1)		Tip Length (L1)		Phosphor Bronze	Stainless Steel		Tip	Diameter (D1)	Tip Length (L1)	Stainless Steel	
	3.0mm		Omm	-	ZS		6	6.0mm	6.0mm	THC	
3.2mm (1/8")		8.0mm		AP	AS		6	.35mm	6.0mm		THD
4.0mm		9.0mm		BP	BS		Top-Hat Tip Accessories				
6.0mm		6.0mm		CP	CS			RC846 Retaining Clip SRS126 Spring			
6.35mm (1/4")		8.0mm		-	DS		- Ô-	8mm OD x 4.0mm ID, 6 prongs ≨ 12mm x 6.0mm Ø			
5	extension cable cable length (L2) 7/0.15 PFA ov		cable c	construction 3.			e code ex 3-wire)	4-wire coo (simplex 4-w	de 6-wire c ire) (duplex 3-	ode wire)	8-wire code (duplex 4-wire)
			7/0.15mm conductors, extruded PFA, Twisted, PFA overall				4315	PT4415	PT461	5	PT4815
As required to suit			7/0.15mm conductors, extruded PFA, Twisted, Stainless Steel Wire Braided overall			PT33	15/SSB	PT3415/SS	SB PT3615/	SSB	PT3815/SSB

PT6310

As required to suit your application (e.g. 1000mm)

	optional oil seal barrier *			extension cable					
	diameter std length		7	compatibility (prefix code with required length L4)					
	(mm) (D2)	(mm) (L3)		simplex 3-wire	simplex 4-wire	duplex 3-wire	duplex 4-wire		
3.0		60.0	PT4315, PT3315/SSB		PT4415, PT4415/SSB	-	-		
3.2 (1/8")		60.0	PT4315, PT3315/SSB		PT4415, PT4415/SSB	-	-		
4.76 (3/16")		60.0	PT4315, PT3315/SSB, PT6315		PT4415, PT3415/SSB, PT6415	PT3610/SSB	-		
	5.5	60.0	PT	4315, PT3315/SSB, PT6315	PT4415, PT3415/SSB, PT6415	PT4615, PT3615/SSB PT6615, PT3610/SSB	-		
	6.0	60.0	PT	4315, PT4315/SSB, PT6315	PT4415, PT3415/SSB, PT6415	PT4615, PT3615/SSB PT6615, PT3610/SSB	PT4815, PT3815/SSB		
	6.35 (1/4")	60.0	PT	4315, PT4315/SSB, PT6315	PT4415, PT3415/SSB, PT6415	PT4615, PT3615/SSB PT6615, PT3610/SSB	PT4815, PT3815/SSB		

* Tested to a minimum pressure of 5 bar for a minimum of 30 minutes

Without oil seal barrier L2 = tip to tails. With oil seal barrier L2 = tip to oil seal barrier, L3 = oil seal barrier, L4 = oil seal barrier to tails





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Datasheet