

MBA Bearing shoe RTD Pt100 sensor 3.2 x 8mm

Construction

Application	A range of high accuracy miniature embedded (also known as embedment) Pt100 sensors designed for surface temperature measurements in general industrial applications such as in bearing shoe applications to give a reliable indication of bearing wear and oil film breakdown through continuous monitoring of temperature. These tip sensitive resistance thermometers have an operating temperature range of -25°C to +250°C and can be supplied with a pressure tested oil seal barrier to prevent leakage. Standard assemblies are easy to install in drilled holes for general temperature sensing applications, whereas the spring loaded 'top hat' style assemblies are inserted into a milled hole with a retaining clip pushed down to compress the spring and retain the sensor against the surface being monitored.
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Sensor

Type	Simplex or Duplex Pt100
Accuracy	According to IEC 60751 class B
Operating range	-25 / +230°C
Connection	2-wire or 3-wire
Material	Stainless steel or phosphor bronze
Diameter	3.2mm or 6.0mm
Length simplex sensor	8.0mm standard, or contact us to specify
Length duplex sensor	12mm standard, or contact us to specify

Cable

Conductors	Silver plated copper conductors with PTFE insulation
Length	1000mm standard, other lengths possible

Options

Cable	PTFE wire insulation and outer jacket (TT)
Cable with internal armour	Stainless steel braiding with overall PTFE jacket (TAT)
Cable with external armour	PTFE cable jacket with external Stainless steel braiding (TTA)
Explosion proof versions	ATEX / IECEx versions available, please consult us
Oil seal part	Standard 60 x 4.75mm, length away from
Other dimensions	Please consult us

Ordering code

*This datasheet is purely indicative, build-up of model code may vary from this datasheet.

Model	MBA	TT, TAT, TTA	S or D	2 or 3	"L"
Cable type		↑			
Pt100 Single or Duplex			↑		
Connection 2 or 3-wire				↑	
Cable length "L" in mm					↑