

# MBD Bearing shoe RTD Pt100 sensor 7 x 6,5mm

## Construction

<b>Applicaton</b>	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.
-------------------	---

## Sensor

<b>Type</b>	Single or Duplex Pt100
<b>Accuracy</b>	According to IEC 60751 class B
<b>Operating range</b>	-25 / +230 °C
<b>Connection</b>	2-wire or 3-wire
<b>Material</b>	Stainless steel standard, optional brass or copper
<b>Diameter</b>	7.0 mm
<b>Length</b>	6.5 mm

## Cable

<b>Conductors</b>	Silver plated copper conductors
<b>Flying leads</b>	PTFE insulated flexible leads
<b>Length</b>	1000mm standard, other lengths possible
<b>Cable</b>	PTFE wire insulation and outer jacket

## Options

<b>Cable with external armour</b>	PTFE cable jacket with external Stainless steel braiding
<b>Cable with internal armour</b>	Stainless steel braiding with overall PTFE jacket
<b>Explosion proof versions</b>	ATEX / IECEx versions available, please consult us
<b>Oil seal part</b>	Standard 60 x 4.75mm, length away from sensortip to be specified
<b>Other dimensions</b>	Please consult us



## Ordering code

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

Model

MBD



**thermo-electra**  
temperature sensor solutions

Thermo Electra B.V.  
Weteringweg 10  
2641KM Pijnacker  
The Netherlands

Phone +31 (0)15 - 3621200  
Fax +31 (0)15 - 3694082  
Email [sales@thermo.nl](mailto:sales@thermo.nl)  
<http://www.thermo-electra.com>

