

MBB Bearing shoe thermocouple sensor with spring

Application

A range of high accuracy miniature embedded (also known as embedment) thermocouple 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 thermocouples 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

Mounting Bearing thermocouple with spring and retaining clip

Thermocouple type K, T, J, N or E

For duplex KK, TT, JJ, NN or EE

Accuracy According to IEC 60584

Operating range -25°C up to +250°C

Material Stainless steel

Diameter 6.0 or 6.4mm

Simplex sensor body length 6.0mm Standard, or contact us to specify

Duplex sensor body length 12mm Standard, or contact us to specify

Compression spring

Diameter 6.0mm

Compressed length Approx. 6.0mm

Material Stainless steel

Cable

Twisted wires with external armour PFA insulated twisted wires with stainless steel braiding (TA)

Cable with external armour PFA cable jacket with external Stainless steel braiding (TTA)

Length 1000mm standard, other lengths possible

Colourcode IEC

Options

Explosion proof versions ATEX / IECEx versions available, please consult us

Oil seal part Standard 60 x 4.75mm

Other dimensions Please consult us