

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.



Sensor

Type Single or Duplex Pt100
Accuracy According to IEC 60751 class B
Connection 2-wire or 3-wire
Operating range -25 / +230 °C
Material Stainless steel or phosphor bronze
Diameter 6.0 mm
Length 8.0 mm

Cable

Flying leads Silver plated copper conductors
Insulation PTFE
Length 1000mm standard, other lengths possible

Options

Cable PTFE wire insulation and outer jacket
Cable with internal armour Stainless steel braiding with overall PTFE jacket
Cable with external armour PTFE cable jacket with external Stainless steel braiding
Explosion proof versions ATEX / IECEx versions available, please consult us
Oil seal part Standard 60 x 4.75mm, length away from sensortip to be specified

Ordering code

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

