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Quality
Endorsed
Company

ISO9001:2000

Lic: 14412

THERMOCOUPLES * RTD SENSORS * THERMOWELLS * EXTENSION CABLES * LEVEL SWITCHES

Mims Thermocouples – Hot Junctions

Three types of Hot junctions for mims thermocouples are available according to the installation / application requirements.

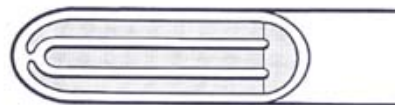
The overall diameter of the probe is not increased with either type of junction.

An insulated or ungrounded junction is more suitable for corrosive media although the thermal response is slower. In some applications where more than one thermocouple connects to the associated instrumentation, insulation may be essential to avoid spurious signals occurring in the measuring circuits. Standard insulation resistance on 3.0 mm to 6.0 mm diameter probes = > 100 Meg Ohms @ 500 V DC



Insulated Junction

An earthed (grounded or bonded) junction is also suitable for corrosive media and for high pressure applications. It provides faster response than the insulated junction and protection not afforded by the exposed junction. It is not suitable for use with some non isolated signal conditioners or data loggers.



Earthed Junction

An exposed (measuring) junction is recommended for the measurement of flowing or static non-corrosive gas temperature when the greatest sensitivity and quickest response is required.



Exposed Junction

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PROUDLY MANUFACTURING IN AUSTRALIA