

Mineral Insulated Thermocouples

S-MITC

High Quality Temperature Sensors

Standard Versions

Mineral Insulated thermocouples are robust, flexible, can be made in long lengths and with a broad range of diameters.

Description

Our Mineral insulated thermocouple range in type K, J, T or N and can be used at temperatures between -200 and 1200°C and are very robust, making them ideal for demanding applications. MI thermocouples can be manipulated around formers (with a radius of three times the probe diameter) and at angles and shapes to suit the application. They are generally manufactured with an insulated (ungrounded) junction which reduces any electrical interference and provides a stable reading, Available in 2 core (simplex) or 4 core (duplex) with a range of outer sheath materials including Grade 25/20 (310) stainless steel (corrosion resistant and suitable for use in sulphur bearing atmospheres), Alloy 600 (severely corrosive atmospheres to high temperatures) and NicrobeI D (recommended with type K and N thermocouples with good high temperature strength and excellent performance in oxidising, carburising, reducing and vacuum atmospheres). A variety of termination styles are available including plugs, industrial heads & custom lead lengths



Stock/Delivery

Standard lengths ex-stock
Typically made to order

Features/Benefits

UK/EU Manufactured
Rapid response
Highly flexible
Wide temperature range
Long life

Application

Process industries
Vessels and pipes
Oil & Gas

Ordering Information, Configurations

- Individual specification sheets and drawings available
- Please email your enquiry or sketch to sales@itiuk.com