

Mineral Insulated Thermocouple with Pot Seal



Made in the UK 

Description

Mineral insulated thermocouple with plain pot seal which can be manipulated to suit specific applications in 1 or 1.5mm Ø.

Mineral insulated thermocouples have a broad temperature range from -200 to above 1200°C and are very robust, making them ideal for demanding applications. Mineral insulated thermocouples flexible and can be formed into (with a radius of three times the probe diameter) 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. They are also available with grounded or exposed tips and sheath materials of stainless steel, Inconel or Nicrosil.

The thermocouple is terminated with a plain pot seal and has 1 metre of PFA flat twin lead wire and stripped tails for connection to terminals or plugs. For more information on the advantages of mineral insulated thermocouples, please see our technical reference section.



Specification

| Product | Mineral Insulated Thermocouple with Pot Seal |
|--------------|--|
| Type | K, T, J or N |
| Temp Range | -200 to +1200°C dependant on sheath material and thermocouple type |
| Temp (pot) | Max 100°C (pot & lead) |
| Probe Length | 100, 150, 300 & 500mm, 1M, 1.5M & 2M standard or to order |
| Diameter | 1.0 or 1.5mm |
| Material | 316 stainless steel, Inconel 600, Nicrosil |
| Accuracy | Class 1 |
| Termination | 1TMPTI |

Features

- Wide temperature range capability
- Can be formed and shaped to fit the process
- Insulated, grounded and exposed tips available
- Plain pot seal and 1 metre lead
- Wide range of lengths and diameters

Application

- Heat treatment
- Engine testing
- Temperature profiling

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