

ANSI Mineral Insulated Thermocouples – 0.5mm Diameter for a Fast Response

Fast response Type 'K' Thermocouple Inconel® Alloy 600 sheath, threaded pot seal & tails



- Mineral insulated Type 'K' Thermocouple
- 0.5mm diameter
- Inconel® Alloy 600 sheath
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Probe temperature range -40°C to +750°C
- M8 x 1.0mm fine pitch threaded pot seal (200°C)
- 100mm tails, PFA Teflon® twin twisted 7/0.2mm
- Conforms to ANSI MC96.1

Specifications

Sensor type:	Type 'K' Nickel Chromium/Nickel Aluminium to ANSI MC96.1
Construction:	Flexible mineral insulated probe with Inconel® Alloy 600 sheath with M8 x 1.0mm fine pitch threaded pot seal & tails
Sheath composition:	Inconel® Alloy 600 (Nickel, Chromium, Iron)
Element/hot junction:	Single element, hot junction insulated sheath
Termination:	100mm PFA Teflon® twin twisted 7/0.2mm tails, +Yellow/-white colour coded in accordance with ANSI MC96.1
Probe temperature range:	-40°C to +750°C
Pot seal rating:	200°C

Inconel® Alloy 600: Excellent oxidation resistance, not suitable for sulphur bearing atmospheres above 550°C
 Typical applications include heat treatment processes, annealing furnaces, chemical reactors, man -made fibre & synthetic material production, steam boilers, paper industry etc.

T/C Type	Probe Dia. (mm)	Probe Length (mm)	Sheath	T/couple junction	+Positive tail wire	-Negative tail wire	order
K	0.5	500	Alloy 600	Insulated	Yellow	White	XF-1033-FAR