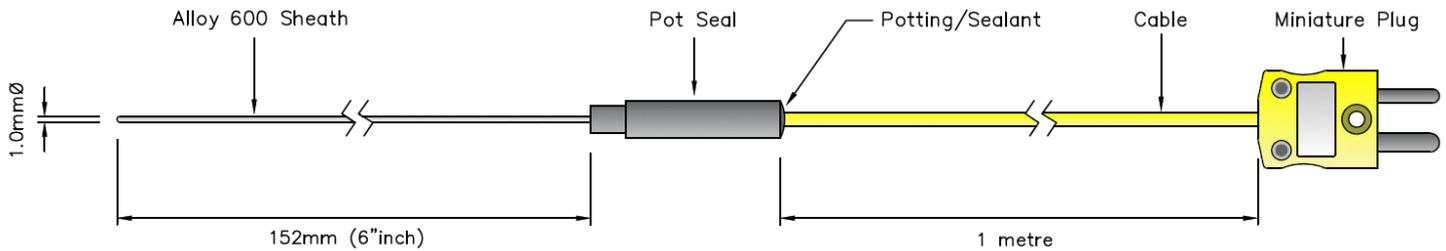


Datasheet

ANSI Mineral Insulated Thermocouple with 1 metre lead

Type 'K', 1.0mm diameter with miniature plug termination – Inconel® Alloy 600 sheath

RS Stock no. 1856794,8047975,8047984,1235559,1365856,7621187,7621180,7621162,7621171



- Mineral insulated Type 'K' Thermocouple
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Sheath – Inconel® Alloy 600, 1.0 mm diameter x 152mm (6" inch) long
- Insulated hot junction
- Lead wire – 1 metre PFA insulated
- Termination - Miniature flat pin plug
- Colour code – to ANSI MC96.1

Specifications

Sensor type:	Type 'K' (Nickel Chromium/Nickel Aluminium)
Construction:	Flexible mineral insulated probe with Inconel® Alloy 600 sheath
Element/hot junction:	Single element, junction insulated from sheath (offers protection against spurious electrical signals)
Pot seal:	Plain, 1/4" diameter
Lead wire:	1 metre 7/0.2 Teflon insulated flat pair
Termination:	Miniature flat pin plug
Probe temperature range:	-40°C to +750°C max.
Pot seal rating:	200°C max.
Colour code:	in accordance with ANSI MC96.1
Wire tolerance:	in accordance with IEC 60584-1, class 1

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.

Order Codes:	Allied	RS Components
	TBC	185-6794

Stainless steel compression glands available to suit:



- Thermocouple installation fittings
- To suit mineral insulated probe type sensors offered by RS
- Male in-line stainless steel compression type with nut & olive
- 1/8" BSP parallel, BSPT tapered, 1/8" NPT or M8x1 thread types available.
- Suits 1.0mm probe diameter

Thread	Suits Probe Ø	Allied code	RS order code
1/8" BSP Parallel	1.0mm	70654828	804-7975
1/8" BSPT Tapered	1.0mm	70654831	804-7984
1/8" NPT (Tapered)	1.0mm	71232101	123-5559
M8 x 1mm	1.0mm	71083658	136-5856

Locknuts also available:



Thread	Allied code	RS order code
S/Steel M8 x 1mm	70651761	762-1187
S/Steel 1/8" BSPP	70651759	762-1180
Brass M8 x 1mm	70651753	762-1162
Brass 1/8" BSPP	70651756	762-1171