

## BS Mineral Insulated Thermocouples with Threaded Pot

Type 'K' with threaded pot & tails – 310 stainless steel or Inconel® Alloy 600 sheath



- Mineral insulated Type 'K' Thermocouple
- Choice of 310 stainless steel or Inconel® Alloy 600 sheath
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Insulated hot junction
- Probe temperature range -40°C to +1100°C
- M8 x 1.0mm fine pitch threaded pot seal
- 100mm 7/0.2mm PVC insulated tails, colour coded to former British standard – BS1843-1952
- Conforms to IEC 584-1&2

### Specifications

Sensor type:	Type 'K' (Nickel Chromium/Nickel Aluminium) to IEC 584-1&2
Construction:	Flexible mineral insulated probe with 310 stainless steel or Inconel® Alloy 600 sheath with M8 x 1.0mm fine pitch threaded pot seal & tails
Element/hot junction:	Single element, junction insulated from sheath (offers protection against electrical noise)
Termination:	7/0.2mm PVC insulated tails x 100mm long, colour coded in accordance with former British standard BS1843-1952 (pos + brown/ neg - blue)
Probe temperature range:	-40°C to +1100°C
Pot seal rating:	105°C max

**310 stainless steel:** Good corrosion & oxidation resistance to suit a wide range of processes, satisfactorily operates in sulphur bearing atmospheres

Typical applications include brick & cement kilns, glass industry, heat treatment & annealing furnaces, power stations, flues, heat exchangers etc.

<b>T/C Type</b>	<b>Probe Dia. (mm)</b>	<b>Probe Length (mm)</b>	<b>Sheath</b>	<b>+Positive tail wire</b>	<b>-Negative tail wire</b>	<b>order code</b>
K	1.5	1000	310SS	Brown	Blue	<b>XF-1042-FAR</b>

**Inconel® Alloy 600:** Excellent oxidation resistance to 1100°C (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.

<b>T/C Type</b>	<b>Probe Dia. (mm)</b>	<b>Probe Length (mm)</b>	<b>Sheath</b>	<b>+Positive tail wire</b>	<b>-Negative tail wire</b>	<b>order code</b>
K	3.0	2000	ALLOY 600	Brown	Blue	<b>XF-1043-FAR</b>
K	6.0	1000	ALLOY 600	Brown	Blue	<b>XF-1044-FAR</b>