

IEC 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 (200°C)
- 100mm tails, PFA twin twisted 7/0.2mm, colour coded to IEC 584

Specifications

Sensor type:	Type 'K' (Nickel Chromium/Nickel Aluminium) to IEC 584
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 spurious electrical signals)
Termination:	100mm PFA twin twisted 7/0.2mm tails, +green/-white colour coded in accordance with IEC 584
Probe temperature range:	-40°C to +1100°C >1.0mm diameter -40°C to +750°C – 1.0mm diameter and below
Pot seal rating:	200°C

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.

T/C Type	Probe Dia. (mm)	Probe Length (mm)	+Positive tail wire	-Negative tail wire	order Code
K	1.0	1000	Green	White	XF-1066-FAR
K	3.0	2000	Green	White	XF-1067-FAR
K	6.0	250	Green	White	XF-1076-FAR
K	6.0	1000	Green	White	XF-1068-FAR
K	6.0	2000	Green	White	XF-1069-FAR

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.

T/C Type	Probe Dia. (mm)	Probe Length (mm)	+Positive tail wire	-Negative tail wire	order Code
K	1.0	1000	Green	White	XF-1094-FAR
K	3.0	2000	Green	White	XF-1074-FAR
K	3.0	3000	Green	White	XF-1077-FAR
K	6.0	1000	Green	White	XF-1075-FAR