

# Data sheet

## Mineral Insulated Thermocouples (BS colours)

Type 'K' with threaded pot & tails – 310 stainless steel sheath



- Mineral insulated Type 'K' Thermocouple
- 310 stainless steel
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Probe diameters in 1.5, 3.0 & 6.0mm
- 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 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.

T/C Type	Probe Dia. (mm)	Probe Length (mm)	Sheath	+Positive tail wire	-Negative tail wire	order code
K	1.5	500	310SS	Brown	Blue	XF-1911-FAR
K	3.0	500	310SS	Brown	Blue	XF-1943-FAR
K	3.0	2000	310SS	Brown	Blue	XF-1937-FAR