

## Datasheet

### BS Mineral Insulated Thermocouple with Threaded Pot – Type ‘K’

310SS sheath - threaded pot seal with locknuts, 1 metre Teflon® twisted pair lead



- Type ‘K’ Mineral insulated Thermocouple (BS blue/brown colour coded lead)
- Nickel Chromium/Nickel Aluminium conductors
- 310 stainless steel sheath with insulated hot junction
- 3.0mm diameter x 300mm probe length
- 1 metre 7/0.2mm Teflon® insulated twisted pair cable
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Probe temperature range; -40°C to +1100°C
- M8x1 threaded pot seal complete with 2 x stainless steel locknuts
- Conforms to IEC 584-1&2

#### Specifications

Sensor type:	Type ‘K’ with Nickel Chromium/Nickel Aluminium conductors
Construction:	Flexible mineral insulated probe, M8x1 (fine thread) threaded pot seal (c/w 2 x stainless steel locknuts) + 1-metre-long extension cable
Sheath composition:	310 stainless steel (25/20 chromium nickel steel)
Element/hot junction:	Single element, hot junction insulated from sheath in order to prevent electrical noise & interference
Termination:	1 metre 7/0.2mm Teflon® (250°C max) insulated twin twisted pair cable with tail wires, colour coded in accordance with former British standard – BS1843-1952
Reference Tables/Tolerance:	In accordance with IEC 584-1&2
Probe temperature range:	-40°C to +1100°C
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)	Sheath	Leadwire +pos/-neg	Lead Length (mm)	Allied code	RS order code
K	3.0	300	310SS	Brown/Blue	1000	70636460	158-604