

Datasheet

# IEC Mineral Insulated Thermocouple with PFA Duplex Thermocouple Cable – Type ‘K’

Dual element with 1 metre lead &amp; tails, stainless steel sheath – to IEC 584



Duplex Type ‘K’ Thermocouple with two independent measuring junctions inside tip of probe. This allows one probe to be connected to two measurement or control devices; alternatively, one sensor may be used as a primary and the other as a backup, eliminating the need to remove and replace the probe if one of the sensors should fail.

- Dual element mineral insulated Type ‘K’ Thermocouple
- 310 stainless steel sheath
- Mineral Insulated construction suitable for high pressure/vacuum/vibration applications
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Insulated hot junctions (x2)
- Probe temperature range -40°C up to +1100°C
- Plain pot seal (200°C)
- 1 metre (4 core) 7/0.2mm PFA Teflon® insulated cable and tails
- Conforms to IEC 584 specification

## Specifications

Sensor type:	Type ‘K’ (Nickel Chromium/Nickel Aluminium)
Construction:	Flexible mineral insulated probe with stainless steel sheath, plain pot seal & 1 metre extension cable
Sheath composition:	310 stainless steel (25/20 chromium nickel steel)
Element/hot junction:	Dual element, junctions insulated from sheath in order to prevent electrical noise & interference
Termination:	1 metre (4 core) 7/0.2mm PFA Teflon® insulated cable, colour coded in accordance with IEC 584-3
Reference Tables/Tolerance:	In accordance with IEC 584-1&2
Probe temperature range:	-40°C to +1100°C
Pot seal rating:	200°C

**Type 'K' – 310 stainless steel sheath:**

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>Cable jacket</b>	<b>Tails (2 pairs) +pos/-neg</b>	<b>Allied code</b>	<b>RS order code</b>
K	3.0	150	310SS	Green	Green/White	70643853	<b>397-1359</b>
K	3.0	250	310SS	Green	Green/White	70643854	<b>397-1365</b>
K	6.0	150	310SS	Green	Green/White	70643855	<b>397-1371</b>
K	6.0	250	310SS	Green	Green/White	70643856	<b>397-1387</b>