

# IEC Mineral Insulated Thermocouples with PFA Lead

Types 'K' or 'J' with 1 metre PFA Lead & Bare Tails – Stainless Steel Sheath



(Note: Illustration shows Type 'K')

- Mineral insulated Thermocouple to IEC 584
- Choice of Type 'K' with 310 stainless steel sheath or Type 'J' with 321 stainless steel sheath
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Insulated hot junction
- Plain pot seal (200°C)
- 1 metre 7/0.2mm PFA Teflon® insulated flat pair cable and tails (colour coded to IEC 584)
- Manufactured using materials to IEC 584 class 1 specification

## Specifications

Sensor type:	Type 'K' (Nickel Chromium/Nickel Aluminium) Type 'J' (Iron/Constantan)
Construction:	Flexible mineral insulated probe with stainless steel sheath, plain pot seal & 1 metre extension cable
Manufactured:	Tolerances of materials used in the manufacture conform to class 1 specification to relevant BS EN 60584 standards.
Element/hot junction:	Single element, junction insulated from sheath (offers protection against spurious electrical signals)
Termination:	1 metre 7/0.2mm PFA Teflon® insulated flat pair cable, colour coded in accordance with IEC 584
Probe temperature range:	Type 'K'            -40°C to +1100°C >1.0mm diameter -40°C to +750°C – 1.0mm diameter and below Type 'J'            -40°C to +750°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>Cable jacket</b>	<b>Tails: +pos/-neg</b>	<b>order code</b>
K	1.0	500	Green	Green/White	<b>XF-1057-FAR</b>
K	1.0	1000	Green	Green/White	<b>XF-1055-FAR</b>
K	1.0	2000	Green	Green/White	<b>XF-1058-FAR</b>
K	1.5	500	Green	Green/White	<b>XF-1059-FAR</b>
K	1.5	1000	Green	Green/White	<b>XF-1062-FAR</b>
K	1.5	1500	Green	Green/White	<b>XF-1060-FAR</b>
K	3.0	1000	Green	Green/White	<b>XF-1064-FAR</b>
K	4.5	150	Green	Green/White	<b>XF-1065-FAR</b>

**Type 'J' – 321 stainless steel sheath:**

Excellent corrosion resistance, retains good ductile properties to suit a wide range of industrial applications & processes

Typical applications include heat treatment & annealing furnaces, aluminium heat treatment, chemical reactors, plastic/rubber moulding industry, polythene manufacture, coal plants, paper mills, textile industry etc.

<b>T/C Type</b>	<b>Probe Dia. (mm)</b>	<b>Probe Length (mm)</b>	<b>Cable jacket</b>	<b>Tails +pos/-neg</b>	<b>order code</b>
J	1.5	150	Black	Black/White	<b>XF-1048-FAR</b>
J	1.5	250	Black	Black/White	<b>XF-1049-FAR</b>
J	3.0	150	Black	Black/White	<b>XF-1050-FAR</b>
J	3.0	250	Black	Black/White	<b>XF-1051-FAR</b>
J	6.0	150	Black	Black/White	<b>XF-1052-FAR</b>
J	6.0	250	Black	Black/White	<b>XF-1053-FAR</b>