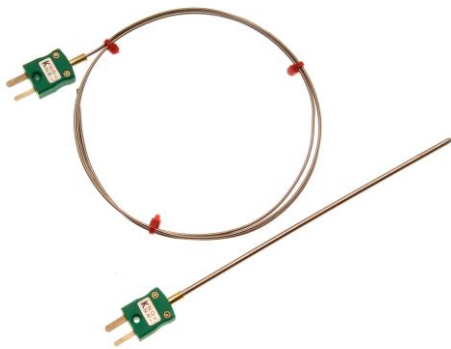


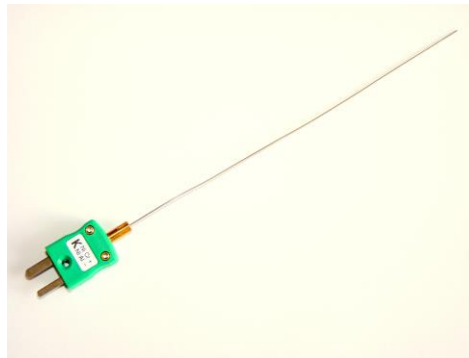
Datasheet

IEC Mineral Insulated Thermocouple with Miniature Type K Thermocouple Plug

Type 'K', either 0.5, 1.5, 2.0 or 3.0mm diameter with insulated hot junction (un-grounded)



3.0mm dia. probe



0.5mm dia. probe

- Mineral insulated Type 'K' Thermocouple
- 310 stainless steel sheath
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- 0.5mm diameter fast response option, other diameters include 1.0, 1.5, 2.0 & 3.0mm
- Insulated hot junction
- Probe temperature range -40°C up to +1100°C
- Miniature plug termination (200°C)
- Conforms to IEC 584 specification

Specifications

Sensor type:	Type 'K' (Nickel Chromium/Nickel Aluminium) to IEC 584
Construction:	Flexible mineral insulated probe with 310 stainless steel sheath
Element/hot junction:	Single element, junction insulated from sheath (offers protection against spurious electrical signals)
Termination:	Miniature flat pin plug, colour coded 'green' in accordance IEC 584
Probe temperature range:	-40°C to +1100°C for 1.5, 2.0 & 3.0mm diameters -40°C to +750°C for 0.5 & 1.0mm diameter
Plug temperature range:	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.

Order codes:

T/C Type	Probe Dia. (mm)	Probe Length (mm)	Sheath	Thermocouple junction	Allied code	RS order code
K	0.5	150	310SS	Insulated	70644212	444-1275
K	0.5	250	310SS	Insulated	70644213	444-1281
K	1.0	150	310SS	Insulated	70653222	787-7762
K	1.0	250	310SS	Insulated	70653223	787-7765
K	1.0	500	310SS	Insulated	70653224	787-7769
K	1.0	1000	310SS	Insulated	70653227	787-7778
K	1.5	150	310SS	Insulated	70643861	397-1450
K	1.5	250	310SS	Insulated	70643862	397-1472
K	1.5	500	310SS	Insulated	70653225	787-7771
K	1.5	1000	310SS	Insulated	70653226	787-7775
K	2.0	150	310SS	Insulated		136-5896
K	2.0	250	310SS	Insulated		136-5898
K	3.0	150	310SS	Insulated	70643863	397-1488
K	3.0	250	310SS	Insulated	70643864	397-1494
K	3.0	500	310SS	Insulated	70653229	787-7784
K	3.0	1000	310SS	Insulated	70653230	787-7787