

## PRODUCT DATA

### Mineral Insulated Type K Thermocouples (310 Stainless Steel & Inconel® Sheath + Pot & Tails)



- Mineral insulated type K thermocouples
- 310 stainless steel or Inconel® Alloy 600 sheath
- Probe temperature range -100°C to +1100°C
- M8 x 1.0mm threaded pot seal (200°C)
- 100mm tails, PFA twin twisted 7/0.2mm

#### Specifications

Sensor type:	Type K thermocouple to IEC 584
Construction:	Flexible mineral insulated probe with 310 stainless steel or Inconel® Alloy 600 sheath + M8 x 1.0mm threaded pot seal & tails
Element/hot junction:	Single element, junction insulated from sheath
Termination:	100mm PFA twin twisted 7/0.2mm tails.
Probe temperature range:	-100°C to +1100°C >1.0mm diameter -100°C to +800°C <1.0mm diameter
Pot seal rating:	200°C

#### Typical Applications

##### 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.

##### Inconel® Alloy 600:

Excellent oxidation resistance to 1100°C (not suitable for sulphur bearing atmospheres above 550°C)

Typical applications include heat treatment processes, annealing furnaces, chemical reactors, man - made fibre & synthetic material production, steam boilers, paper industry etc.

**Codes:****310 stainless steel:**

Probe dimensions (mm)		Labfacility code	Stock code	Farnell code
Diameter	Length			
0.5	150	MD-ISK-S05-150-P5	XF-143-FAR	721-8898
0.5	250	MD-ISK-S05-250-P5	XF-327-FAR	424-8170
0.5	500	MD-ISK-S05-500-P5	XF-328-FAR	424-8181
1.0	150	MD-ISK-S10-150-P5	XF-049-FAR	707-8110
1.0	250	MD-ISK-S10-250-P5	XF-050-FAR	707-8122
1.0	500	MD-ISK-S10-500-P5	XF-051-FAR	707-8134
1.0	1000	MD-ISK-S10-1000-P5	XF-515-D	128-9655
1.5	150	MD-ISK-S15-150-P5	XF-018-FAR	707-8146
1.5	250	MD-ISK-S15-250-P5	XF-052-FAR	707-8158
1.5	500	MD-ISK-S15-500-P5	XF-017-FAR	707-8160
1.5	1000	MD-ISK-S15-1000-P5	XF-053-FAR	707-8171
1.5	2000	MD-ISK-S15-2000-P5	XF-516-D	128-9656
3.0	150	MD-ISK-S30-150-P5	XF-054-FAR	707-8183
3.0	250	MD-ISK-S30-250-P5	XF-055-FAR	707-8195
3.0	500	MD-ISK-S30-500-P5	XF-006-FAR	707-8201
3.0	1000	MD-ISK-S30-1000-P5	XF-056-FAR	707-8213
3.0	2000	MD-ISK-S30-2000-P5	XF-517-D	128-9657
6.0	250	MD-ISK-S60-250-P5	XF-057-FAR	707-8225
6.0	500	MD-ISK-S60-500-P5	XF-058-FAR	707-8237

**Inconel® Alloy 600:**

Probe dimensions (mm)		Labfacility code	Stock code	Farnell code
Diameter	Length			
1.5	500	MD-ISK-I15-500-P5-I	XF-582-FAR	NEW
1.5	1000	MD-ISK-I15-1000-P5-I	XF-583-FAR	NEW
1.5	1500	MD-ISK-I15-1500-P5-I	XF-584-FAR	NEW
3.0	500	MD-ISK-I30-500-P5-I	XF-585-FAR	NEW
3.0	1000	MD-ISK-I30-1000-P5-I	XF-586-FAR	NEW
3.0	1500	MD-ISK-I30-1500-P5-I	XF-587-FAR	NEW