



LABFACILITY

TEMPERATURE & PROCESS TECHNOLOGY

ANSI Mineral Insulated Thermocouple with Miniature Plug

About Labfacility

Formed in 1971, Labfacility specialize in the field of Temperature and Process Measurement.

We are the largest UK manufacturer of both temperature sensors and thermocouple connectors

Quality & Service

Quality and Service are key elements in the continued growth of Labfacility.

Technical support is always freely available from our experienced technical sales teams and the company has ISO9001 accreditation.

Contact Details

Email
sales@labfacility.com

Website
www.labfacility.com



- ◆ 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 & 3.0mm
- ◆ Insulated hot junction
- ◆ Probe temperature range -40°C up to +1100°C
- ◆ Miniature plug termination (200°C)
- ◆ Conforms to ANSI specification

Specifications

| | |
|--------------------------|--|
| Sensor type: | Type 'K' (Nickel Chromium/Nickel Aluminium) to ANSI |
| 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 'yellow' in accordance ANSI |
| Probe temperature range: | -40°C to +1100°C for 1.5 & 3.0mm diameters -40°C to +750°C for 0.5 & 1.0mm diameter |
| Plug temperature range: | 200°C |



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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 | Manufacturing Part No. | Farnell code |
|----------|-----------------|-------------------|--------|-------------------------|--------------|
| K | 0.5 | 150 | 310SS | MB-ISK-S05-150-MP-ANSI | 242-0317 |
| K | 0.5 | 250 | 310SS | MB-ISK-S05-250-MP-ANSI | 242-0318 |
| K | 1 | 150 | 310SS | MB-ISK-S10-150-MP-ANSI | 242-0320 |
| K | 1 | 250 | 310SS | MB-ISK-S10-250-MP-ANSI | 242-0321 |
| K | 1 | 500 | 310SS | MB-ISK-S10-500-MP-ANSI | 242-0322 |
| K | 1 | 1000 | 310SS | MB-ISK-S10-1000-MP-ANSI | 242-0319 |
| K | 1.5 | 150 | 310SS | MB-ISK-S15-150-MP-ANSI | 242-0325 |
| K | 1.5 | 250 | 310SS | MB-ISK-S15-250-MP-ANSI | 242-0328 |
| K | 1.5 | 500 | 310SS | MB-ISK-S15-500-MP-ANSI | 242-0330 |
| K | 1.5 | 1000 | 310SS | MB-ISK-S15-1000-MP-ANSI | 242-0323 |
| K | 3 | 150 | 310SS | MB-ISK-S30-150-MP-ANSI | 242-0334 |
| K | 3 | 250 | 310SS | MB-ISK-S30-250-MP-ANSI | 242-0336 |
| K | 3 | 500 | 310SS | MB-ISK-S30-500-MP-ANSI | 242-0339 |
| K | 3 | 1000 | 310SS | MB-ISK-S30-1000-MP-ANSI | 242-0332 |

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