



# TEMPERATURE MEASUREMENT IN FIRE TESTING

**Thermocouples and temperature sensor solutions**



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Peak Sensors manufactures high-performance thermocouples for critical fire testing applications. Our thermocouples are designed to withstand temperatures above 1000°C, offering fast response, accurate measurement and durable performance.

## Key Features:

- **Suitable for Fire Testing Standards:** EN 13501-1 (SBI), ISO 11925-2, EN 1363-1/2 and others
- **Reliable:** Maintain accuracy under extreme conditions
- **Custom Solutions:** Bespoke probes and configurations for specific testing requirements
- **Calibrated and Traceable:** Fully calibrated thermocouples with traceability to national standards

## A LITTLE MORE ABOUT US:

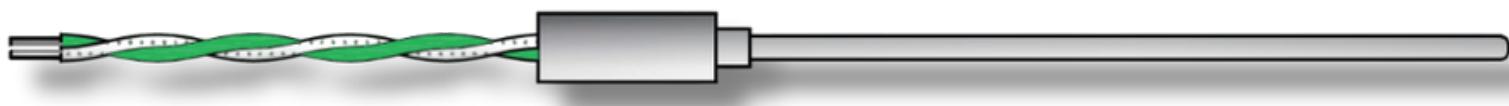
Peak Sensors is a **temperature sensor specialist** that designs, manufactures, and supplies temperature sensor probes worldwide. We are **UK manufacturers based in Chesterfield, Derbyshire**, and have been manufacturing sensors since 1997.

## Mineral Insulated Thermocouple With Pot Seal & Flexible Tails

The mineral-insulated Type K thermocouple designed for fire resistance testing, providing fast and accurate temperature measurement of building materials and products exposed to flames. It features durable sheathing, rapid response, and precise calibration to ensure reliable data for safety certification and regulatory compliance.

### Specifications:

- ▶ 0 to 1100°C temperature range
- ▶ Common sensor types: K, N
- ▶ End seal maximum temperature 120°C
- ▶ Common Diameters: Ø 1.5mm, Ø 2mm
- ▶ Common Sheaths: Inconel, Nicrobell
- ▶ Tail detail: 75mm PFA twisted tails
- ▶ Tolerance:  $\frac{1}{2}$  Class 1
- ▶ Hot junction: Grounded, Insulated
- ▶ UKAS batch calibration
- ▶ Compliance:
  - REACH (1907/2006) 2025
  - RoHS 3 (2015/863)
  - Mineral Conflict
  - ISO 9001 Certified
- ▶ Standards
  - EN 13501-1 (SBI)
  - ISO 11925-2
  - EN 1363-1/2
  - BS EN 1363-1:2012
  - BS EN 13381-8:2013
  - BS ISO 2685:1998

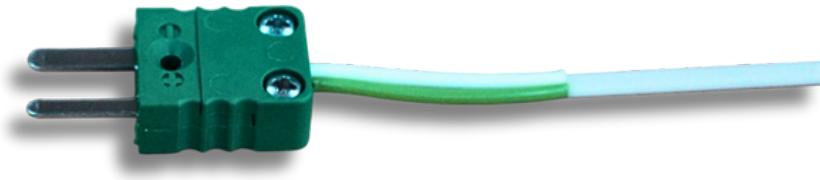


## Base Metal Thermocouple With Mini Plug

A base metal thermocouple with large temperature range. The miniature plug enables the temperature sensor to be easily connected to a variety of instruments and readouts.

### Specifications:

- ▶ 0 to 1100°C temperature range
- ▶ Common sensor types: K, N
- ▶ Common Diameters: Ø 0.5mm
- ▶ Insulator Sizes: Oval or Round
- ▶ Common Insulation: Recrystallised alumina, Aluminous Porcelain
- ▶ Common Stranding: Single Strand
- ▶ Tail Length: 30mm
- ▶ UKAS batch calibration
- ▶ Compliance:
  - ✓ REACH (1907/2006) 2025
  - ✓ RoHS 3 (2015/863)
  - ✓ Mineral Conflict
  - ✓ ISO 9001 Certified
- ▶ Standards
  - EN 13501-1 (SBI)
  - ISO 11925-2
  - EN 1363-1/2
  - BS EN 1363-1:2012
  - BS EN 13381-8:2013
  - BS ISO 2685:1998





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