



# TEMPERATURE CONTROL IN PET CREMATION

Thermocouples and temperature sensor solutions



**PEAK SENSORS**  
temperature measurement & control



# TEMPERATURE CONTROL IN PET CREMATION

Good temperature management in the pet cremation industry ensures that high temperatures are maintained throughout the process, enabling the efficient breakdown of organic matter. This helps to ensure thorough and proper cremation of the pets, providing a respectful and dignified end-of-life service.

As temperature sensor specialists with 25 years of experience working in the pet cremation industry, we understand how important it is to measure the temperature of the cremation process.

At Peak Sensors, we have developed a complete range of sensors to support the pet cremation industry. We manufacture many types of thermocouples and supply them directly to pet crematoriums.

## 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, making thermocouples to support your process control.

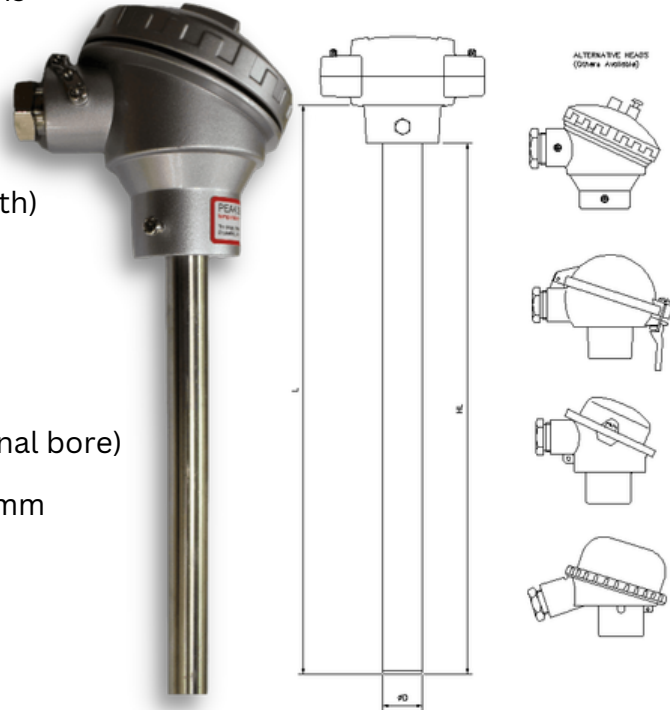
## Base Metal Thermocouple Assembly With Metal Sheath

The Base Metal Thermocouple Assembly with Metal Sheath is protected by a stainless or metal alloy sheath. This type of design is used in incinerators. The sensor has a high level of robustness.

**BMM** (Base Metal Thermocouple Assembly with Metal Sheath)

### Specifications:

- ▶ -200 to 1200 ° C temperature range
- ▶ Common sensor types: K, N
- ▶ Common Sheath Size: (ØD) Ø 6.0 to 26.7mm (3/4" nominal bore)
- ▶ Common Element Diameters: 11 SWG, 16 SWG and Ø 6mm mineral insulated
- ▶ Head options: KNE, ALA (IP65)



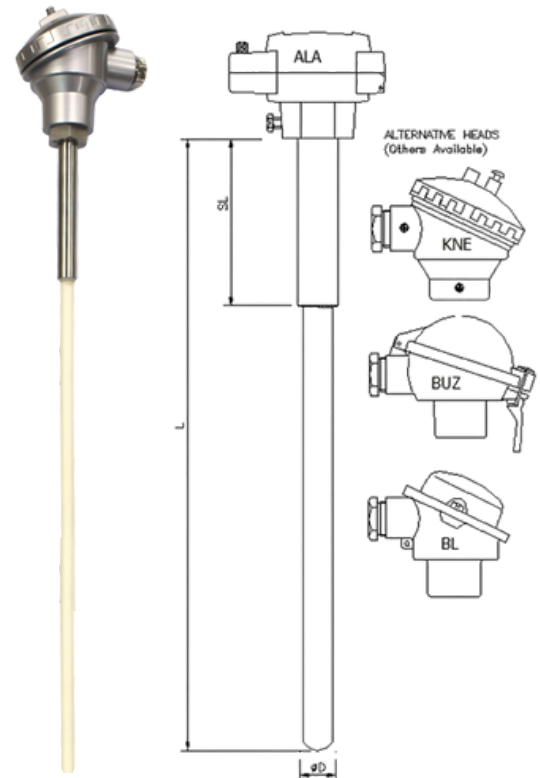
## Base Metal Thermocouple Assembly With Ceramic Sheath

The Base Metal Thermocouple Assembly with Ceramic Sheath is protected by a ceramic sheath. This type of design is used in incinerators. The sensor has a high level of robustness.

**BMC** (Base Metal Thermocouple Assembly with Ceramic Sheath)

### Specifications:

- ▶ -200 to 1300 ° C temperature range
- ▶ Common sensor types: K, N
- ▶ Common Sheath Size: (ØD) Ø15.8mm
- ▶ Common Element Diameters: Ø 1.63mm
- ▶ Head options: KNE, ALA (IP65)



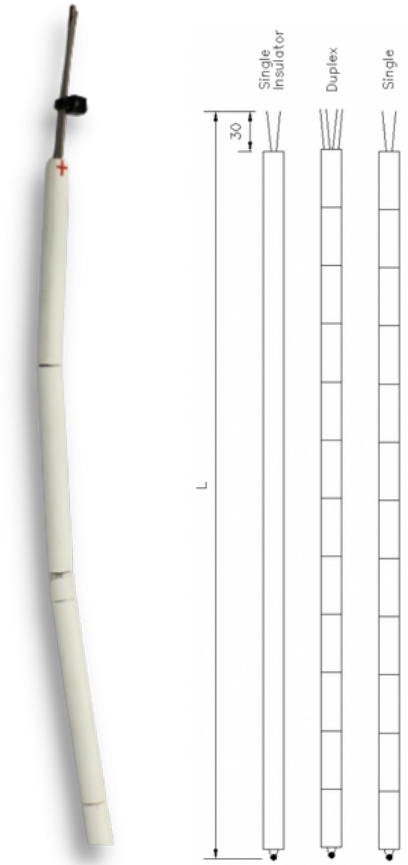
## Base Metal Thermocouple Insulated Element

Replacement elements insulated in ceramic for further assembly into sheaths or equipment.

**BTE** (Base Metal Thermocouple Insulated Element)

### Specifications:

- ▶ -200 to 1200 ° C temperature range
- ▶ Common sensor types: K, N
- ▶ Common Diameters: Ø 0.15mm to 3.25mm, SWG sizes
- ▶ Insulator Sizes: Oval or Round, Ø 3.0 to 12.0mm
- ▶ Common Insulation: Recrystallised alumina, pythagoras
- ▶ Common Stranding: Single Strand
- ▶ Tail Length: 30mm



# BENEFITS OF WORKING WITH PEAK SENSORS

## 1. Manufacturer pricing

- ▶ Working directly with us means no middleman costs and accurate pricing.

## 2. Get expert & local help

- ▶ Access our technical support experts for troubleshooting, making sure everything runs smoothly in your pet crematorium.

## 3. Receive a 6-month warranty

- ▶ We offer a 6-month warranty on the parts and labour. If there are any issues, we will quickly fix them free of charge. (T&Cs apply)

## 4. Get free expert consultation

- ▶ When you need any expert advice, we will be here to help and support you. We can schedule consultation calls or just give us a ring to ask us any question.

## 5. Get temperature sensor components

- ▶ We offer many temperature sensor components with fast delivery for your application:
  - Compression fittings
  - Extension cables
  - Connectors
  - Controllers





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