TEMPERATURE CONTROL IN INCINERATOR MANUFACTURING

Thermocouples and temperature sensor solutions

PEAK SENSORS
temperature measurement & control

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Good temperature management in incinerators will help ensure a safe and efficient process. The measurement of temperature provides an understanding of what is happening along the waste treatment process. Thermal decomposition of most organic compounds occurs at 590-650°C and for hazardous waste 980-1200°C and Peak Sensors can provide solutions for these environments.

As temperature sensor specialists with 25 years of experience, we have worked with various different types of incinerators, and we understand how important it is to measure the temperature of the treatment process.

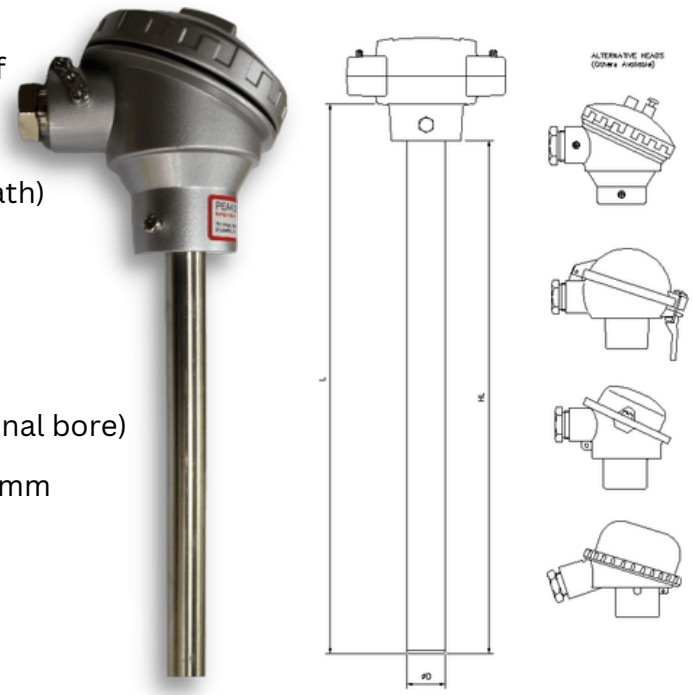
At Peak Sensors, we have developed a complete range of sensors to support incinerators. We manufacture many types of thermocouples and supply them directly to manufacturers. Working alongside our customers we can help develop new probes and enable innovation. Our expertise enables us to make long-lasting sensors.

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.



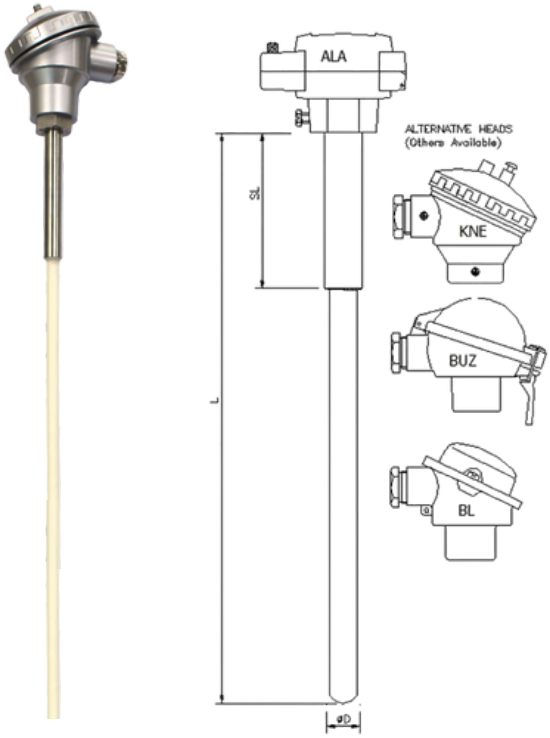
BMM (Base Metal Thermocouple Assembly with Metal Sheath)

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 (IP68)

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.



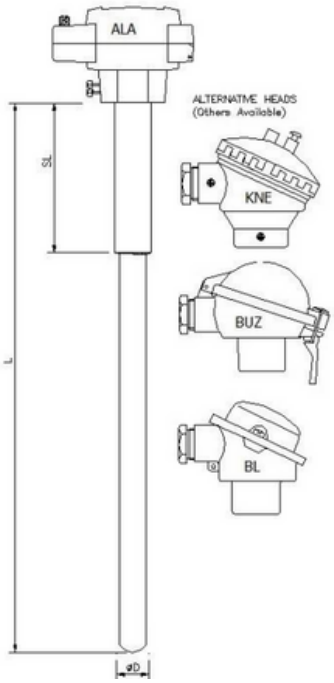
BMC (Base Metal Thermocouple Assembly with Ceramic Sheath)

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 (IP68)

High Temperature Thermocouple With Ceramic Sheath

This particular design of rare metal thermocouple is a very common temperature sensor that we regularly supply to high-temperature industries.



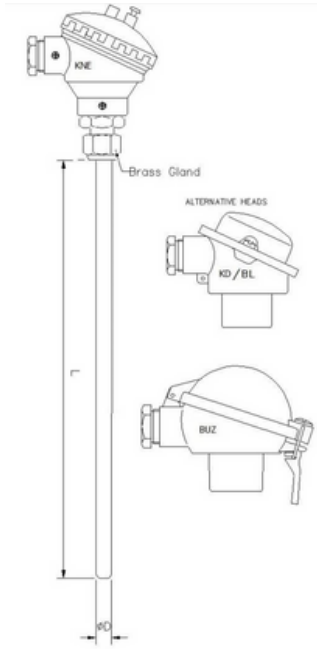
RMC (High Temperature Thermocouple With Ceramic Sheath)

Specifications:

- 0 to 1700 °C temperature range
- Common sensor types: R, S, B
- Common Sheath Size: Ø 6.0, 8.0, 10.0, 12.0, 15.0, 17.0, 20.0, 25.0, 28.0mm
- Common Element Diameters: Ø 0.15mm to 0.5mm
- Shank material: (SL) Plated MS, stainless steel , chrome iron, alloy 600.
- Head options: ALA, KNE (IP68), HR AL BL (flip top), many others

Mineral Insulated Thermocouple with Head

A very common robust design with a wide range of applications. This standard design can be altered in accordance with IP65 and is very suitable for insertion into a pocket.
MTH (Mineral Insulated Thermocouple with Head)



Specifications:

- -200 to 1250 °C depending on thermocouple sensor type
- Common sensor types: K, J, N, T, E
- Common Diameters: Ø 3.0mm, 6mm, 8mm
- Common Sheaths: Inconel, 316 SS, 321 SS, 310 SS, Nicrobell.
- Block Size: Ø 41mm, M4 screws 33mm PCD
- Cold End Max Temperature: 150°C

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