TEMPERATURE CONTROL IN MEDICAL WASTE INCINERATION

Thermocouples and temperature sensor solutions

PEAK SENSORS
temperature measurement & control

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Accurate temperature control is vital in medical waste incineration to ensure complete and efficient combustion, and regulatory compliance. Clinical waste often requires temperatures above 1,000°C, making reliable measurement essential for safe and consistent operation.

With over 25 years of experience, Peak Sensors supplies thermocouples designed specifically for medical waste incinerators. We understand the challenges of treating variable healthcare waste streams and the need for dependable data to meet strict environmental standards.

Our range of robust thermocouples and specialist probes is built to withstand high temperatures, corrosive gases, and continuous operation. We work closely with equipment manufacturers and operators to provide both standard and custom-designed sensors that enhance performance and support innovation.

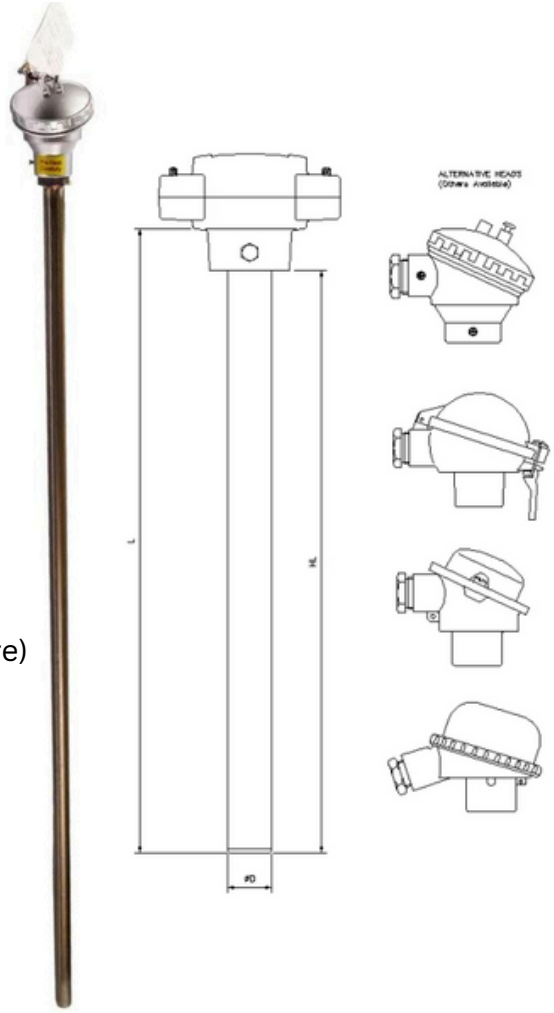
A LITTLE MORE ABOUT US:

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.

THERMOCOUPLES FOR MEDICAL WASTE INCINERATION

Rare Metal Thermocouple With Metal Sheath

A tough design rare metal sensor for use in high-temperature aggressive environments.



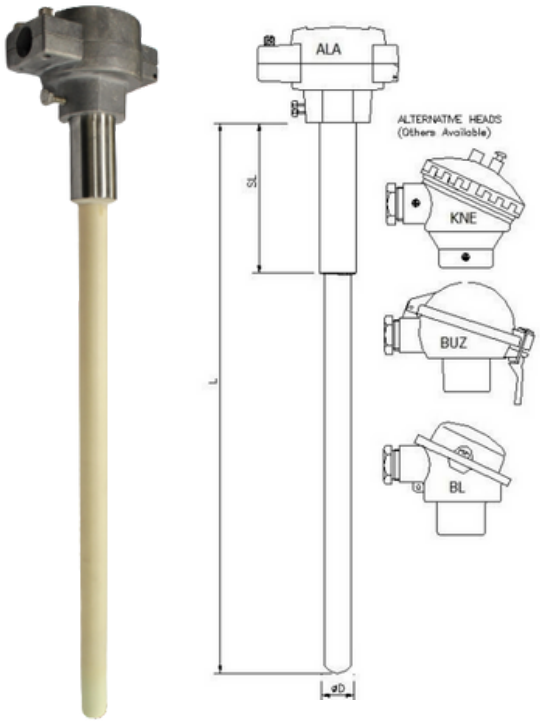
Type Designation: RMM

Specifications:

- 0 to 1700°C temperature range
- Common sensor types: R, S, B
- Common Sheath Size : (ØD) Ø 6.0 to 26.7mm (3/4″ nominal bore)
- Common Element Diameters: Ø 0.15mm to 0.5mm
- Head options: ALA, KNE (IP6), BUZ

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.



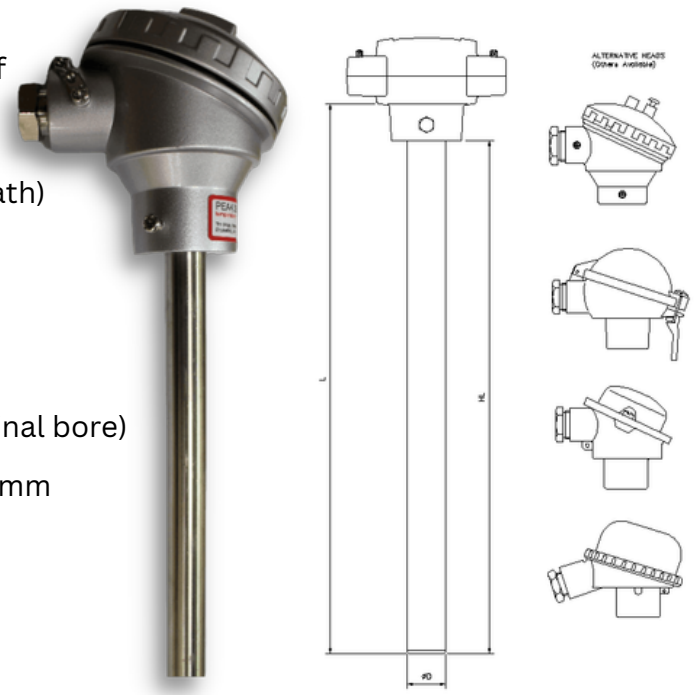
RMC (High Temperature Thermocouple With Ceramic Sheath)

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

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.



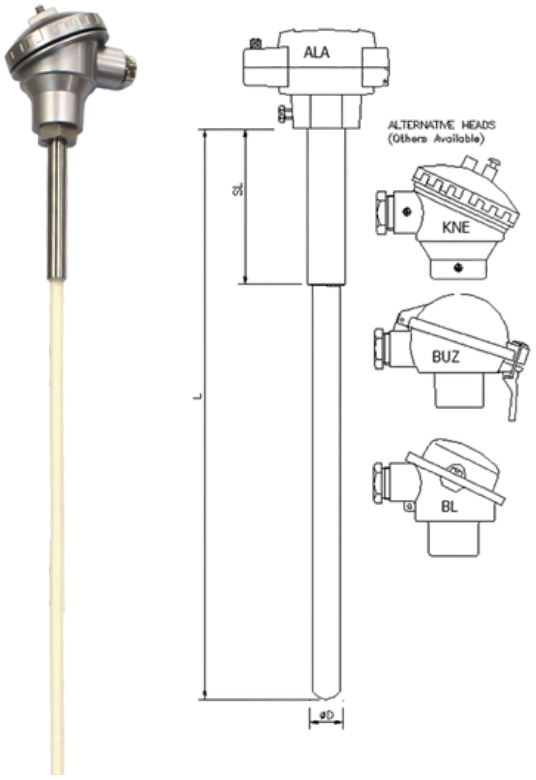
BMM (Base Metal Thermocouple Assembly with Metal Sheath)

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)

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