

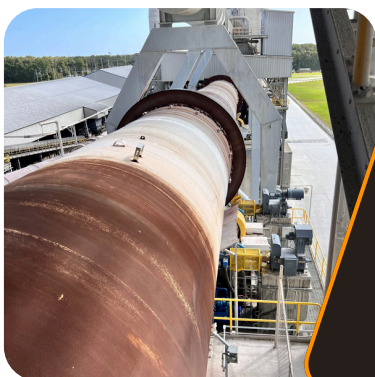
New Abrasion-Resistant Thermocouple

For the Cement/Calcining Industry

For over 60 years, BASF ECMS has been at the forefront of high-quality temperature sensing. ECMS's expertise spans from pioneering advancements in sensor materials to developing innovative solutions for various industries.

Features & Benefits

- Longevity- up to 4-10X life over other manufacturers
- Operating range up to 2300°F (≈1260°C)
- Ideal for high abrasion environment of cyclone preheater and precalciner
- Reduced OPEX and greater safety as a result of less frequent replacement
- Proprietary alloy outer sheath and inner protection tube (sapphire available)
- Standard lengths available up to 48 inches and diameters of 0.5, 0.75, 1.0 inches



Ideal for these extreme cement applications:

- Calciner (1,560–2,010 deg °F)
- Kiln Clinker Outlet (2,640–2,820 °F)
- Preheater Cyclone Lower Stages (1,470–1,830 deg °F)
- Kiln Inlet / Feed Shelf (1,740–2,190 deg °F)
- Tertiary Air Duct (1,560–1,920 deg °F)
- Clinker Cooler – Hot End (2,190–2,460 deg °F)

Clinker Manufacturing

Proven 4X to 10X longevity over other manufacturers

Clinker is a critical ingredient in the production of cement and consists of many different compounds which are formed under precise blending of various raw materials and precise temperature control in order to produce clinker which provides the properties of strength and set timing of the final cement mixture.

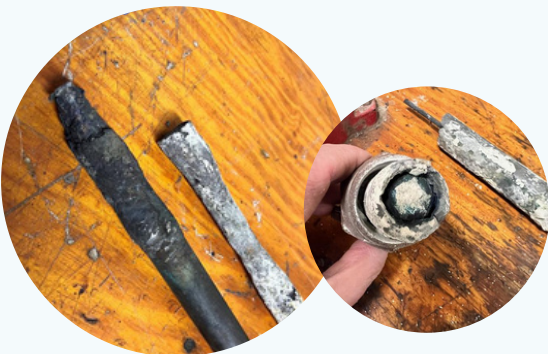
The process is very energy intensive and can also present challenges in both reliability of the manufacturing processes and for safety of operators and maintenance.



**“The new AR probes from BASF are a game changer.
They last longer than other manufacturers...”**

— Ash Grove

Tired of replacing thermocouple probes every 4–6 weeks?



**Maybe it's time to try out our
AR Thermocouples!**



- 1 Designed to withstand the harsh environments of cement manufacturing.
- 2 Made from highly abrasion resistant materials, such as specialty metals and ceramics.
- 3 Have proven to last up to 10X longer than others in the industry and can measure temperatures up to 1200° C continuously.



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Order Now



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