

Abrasion-resistant Thermocouples

For the cement industry

BASF's Abrasion-resistant Thermocouples for the cement industry have been proven to significantly out-perform other thermocouples in similar environments. This novel design utilizes BASF's technical expertise for those severe applications where high temperature and abrasion condition exist, such as, the temperature of the kiln feed prior to entering the cement kiln.

Temperature management is critical in cement manufacturing to ensure process control and product consistency. However, the abrasive environment in the final stage prior to entering the cement kiln can cause the thermocouple to wear out in a very short time. BASF's Abrasion-resistant Thermocouple is built to last longer reducing down-time and thermocouple maintenance.

We leveraged our years of experience in thermocouple design and manufacturing to develop an abrasion-resistant thermocouple suitable for the cement industry. Along with the abrasion-resistant thermocouples, BASF also offers precious metal thermocouples including Type R thermocouples for the calcining industry.

Features & Benefits

- Abrasion-resistant
- Longevity
- Less Maintenance
- Operating range up to 2300 F
- Proprietary thermowell

With over 100 years of combined experience, our thermocouple engineers and manufacturing staff can design and build thermocouples to meet our customers' needs and expectations. Our state-of-the-art production facilities in Fremont, California and

Rome, Italy, utilize the latest equipment and processes to ensure that every thermocouple is manufactured with the highest degree of quality. Our thermocouples are tested and calibrated to meet ISO 17025 standards. BASF is committed to providing innovative designs, exceptional quality, rapid deliveries, and competitive pricing.



ISO-17025 for Superior Calibration

BASF has received ISO-17025 certification for thermocouple production at the Fremont, California site. The accreditation certifies the capability of performing thermocouple calibration between 0 and 1500 °C for thermocouples. This enables the highest certification for customers in many industries, including cement production.

About us

For more than 60 years, BASF has supplied a wide range of industries, including semiconductor, glass, solar cell, chemical, crystal growth, heat treating, laser welding, gas turbine, bio-medical, cement and others with exceptionally high-quality temperature-sensor products and temperature-sensor calibration services to meet the demanding applications of our customers. For more information, please contact our Fremont office.

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