

Thermocouple Temperature Sensor Tip

These high-precision thermocouple tips are designed for accurate temperature sensing in demanding environments. The robust sensors feature ceramic insulation and a durable metal housing, making them suitable for furnaces, kilns, and other high-heat applications.



ADDITIONAL IMAGES



Product Overview

Industrial High-Temperature Sensing

This disposable thermocouple sensor is engineered specifically for high-precision temperature measurement in molten steel and other extreme molten metal environments. Utilizing the thermoelectric effect, the probe provides rapid, accurate readings within seconds. The design features a robust construction with quartz-protected thermo-wires and a fire-resistant filler to ensure stable performance under intense thermal stress.

Technical Specifications

Key Performance Metrics

4 s

Min Response Time

6 s

Max Response Time

1800 °C

Max Temperature

Model Specifications

Type	Model	Tolerance	Range (°C)
B	KB-602/604	±3	1500-1700
S	KS-602/604	±3	1500-1700
R	KR-602/604	±3	1500-1700
W	KW-602/604	±5	1500-1700

Usage Guidelines

Best Practices

- Recommended insertion depth: 300-400mm
- Avoid contact with furnace walls or scum
- Soak time in molten metal should be under 6 seconds
- Allow cooling period between measurements
- Store in low humidity (<80%) environments

Product Features

Design Features

Disposable Design, Quartz Protected, Fire-Resistant Filler, High Temperature Resistant, Paper Tube Support