

# Single Use Thermocouple for Molten Metal

This single-use thermocouple is engineered for precise temperature measurement in steel mills and foundries. Its robust design ensures reliable performance in harsh environments.



## ADDITIONAL IMAGES



## Product Overview

### High-Precision Molten Metal Temperature Measurement

These single-use thermocouples are engineered for rapid, accurate temperature monitoring in demanding steel mill and foundry environments. Designed for reliability and consistency, they enable precise process control while eliminating the risk of cross-contamination common in reusable sensors. Their robust construction ensures they can withstand the extreme conditions of molten metal applications, making them an essential tool for quality assurance.

## Operational Guidelines

### Usage Steps

- Select appropriate protective paper tube and thermocouple lance length
- Attach thermocouple to the lance and ensure secondary instrument is zeroed
- Insert into molten steel at 300-400mm depth, avoiding furnace walls and scum
- Remove immediately after reading is obtained
- Replace with a new thermocouple for the next measurement

Recommended Immersion Depth	350 mm
Maximum Soak Time	5 seconds

## Storage and Handling

Storage Requirements	Dry environment, Relative humidity < 80%, Well-ventilated area, Free from corrosive gases
Handling Precautions	Yes