

MD-10 MULTI-DIP THERMOCOUPLE

DESCRIPTION

SYSCON Sensors Multi-Dip (MD) thermocouple is a high precision, non-splash probe, ideal for small furnaces and ladles in slag-free metal. It provides quick and accurate temperature measurements. The thermocouple tip is protected by a quartz tube. Unlike conventional expendable thermocouples, a paper sleeve is not needed since only the quartz tube is dipped in molten metal. An optional heat shield is available to extend the life of the contact block. The MD-10 fits securely on the SYSCON Sensors TS-1 Handheld Digital Pyrometer.

The Multi-Dip thermocouple tip is designed for investment casting foundries, continuous casting tundish, runners, furnace, ladle, and vacuum-melting operations. It meets clean melt requirements and does not contaminate metal. It is ideal for high-temperatures alloy heats and small batches.

FEATURES

- ▣ Non-splash probe designed for safety
- ▣ Precision thermocouple with fast response time
- ▣ Robust and versatile
- ▣ Suited for wide range of molten metals including Iron, Steel, Alloys, Copper, Bronze, and Aluminum
- ▣ Ideal for various measurement locations: ladle, furnace, tundish, and metal stream
- ▣ Manufactured under ISO 9001:2015 certification



Technical Specifications

Thermocouple Type	Type S, B
Thermocouple Accuracy	±0.25%
Calibration Standard	IPTS 68
Type S temp range	400°F - 3182°F 205°C - 1750°C
Type B temp range	400°F - 3308°F 205°C - 1820°C
Estimated Number of Dips	Up to 6 - 8
Response Time	3 – 4 seconds



Ordering Information

MD-10	Type S, Multi-Dip thermocouple tip
MD-10-HS	Optional reusable heat shield to protect contact block

You've Been Using Our Products Since 1975!

SYSCON International, Inc. has manufactured molten metal temperature measuring and thermal analysis systems for a major private-label customer since 1975. Additional SYSCON Sensors products include:

- ▣ TS-1 Handheld Digital Pyrometer
- ▣ WM-1 Wall-Mount Digital Pyrometer
- ▣ FL-1 Ferrolab Thermal Analysis System
- ▣ Single & Multi-Use Thermocouple Tips
- ▣ Sampling Cups
- ▣ Steel Samplers
- ▣ Repair, Replacement Parts, & Calibration Services