



Multi-Stik®

Multi-Immersion Thermocouple for the Foundry

Introduction

The disposable Multi-Stik® thermocouple is designed for multiple temperature measurements. The maximum number of readings per unit depends on the application, dipping time, dipping interval and the handling. Operating experience indicated that average of 6 to 8 measurements may be expected. The refractory fibre sleeve insulates and protects the internal components of the probe. It is splash-free and sealed at the rear for maximum safety.

Applications

- Induction furnaces or ladles
- Iron, steel and non-ferrous metals
- Slag free or slag skimmed baths

Benefits

- Accurate over many dips
- Economic
- Safe and easy to use

Specifications

- Calibration Pt10%Rh/Pt (S-type) and Pt13%Rh/Pt (R-type) according to IEC 584-1 on IPTS 68 scale
- Accuracy of wires: 0 to +3°C at Pd melting point 1554°C

Measuring time: 5 to 8 seconds

Maxi-Stik

If measurement conditions are too arduous, an alternative is available to obtain the desired number of dips: the Maxi-Stik.

This multiple immersion thermocouple uses identical materials as the Multi-Stik, but a thicker cardboard tube and fibre sleeve are selected to withstand very hard measuring conditions.

Lengths of cardboard tube and sleeves are identical as for the Multi-Stik.



Multi-Stik



Maxi-Stik

Temperature measuring systems

The Multi-Stik and Maxi-Stik thermocouples fit easily on the standard Heraeus Electro-Nite contact block and lance holder.

The measured temperature can be displayed on a large number of Electro-Nite reading instruments:

- handheld Digilance V
- wall mounted DigiTemp-E
- iM² SensorLab



Digilance V



DigiTemp-E



iM² Sensor Lab

Ordering information

(Packing: 50 units per box)

Thermocouple calibration	Nominal length	Length Fibre Sleeve	Ordernumber	
			Multi-Stik	Maxi-Stik
Pt 10% Rh / Pt (type S)	240 mm	90 mm	NS10530391	NS10530381
		140 mm	NS10530392	NS10530382
	400 mm	90 mm	NS10530491	NS10530481
		140 mm	NS10530492	NS10530482
Pt 13% Rh / Pt (type R)	240 mm	90 mm	NS13530391	NS13530381
		140 mm	NS13530392	NS13530382
	400 mm	90 mm	NS13530491	NS13530481
		140 mm	NS13530492	NS13530482

Type B thermocouples (Pt30%Rh/Pt6%Rh) are available on special request.

Heraeus Electro-Nite

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