

High Temperature Probes

Foundry Probe

SP-HF-K-6 Series

- ✓ Type K, CHROMETM-ALOMETM Thermocouple Elements
- ✓ Measures Hot Metal Surfaces
- ✓ Rated up to 1260°C (2300°F)
- ✓ Extra Heavy-Duty Design
- ✓ 6 mm (¼") Diameter Contact Elements
- ✓ Works with High Temperature Impedance Type K Temperature Readouts
- ✓ Rugged, Heavy-Duty Aluminum Handle

CUSTOM ASSEMBLIES AVAILABLE!
Please Contact Custom Engineering and Send Sketch for Quotation.

Specifically designed for use where surface temperatures reach up to 1260°C (2300°F) and rough handling is routine, Omega's foundry probe uses large, heavy-duty tips that can penetrate surface slag to measure the true temperature of the casting. The surface to be measured must be electrically conductive. The lead wires are 16-gage stranded wire with high temperature insulation and stainless steel overbraiding for added protection.

Will not work with analog display systems requiring 10 or 15 input impedance.

Specifications

Calibration: Type K, CHROMETM-ALOMETM

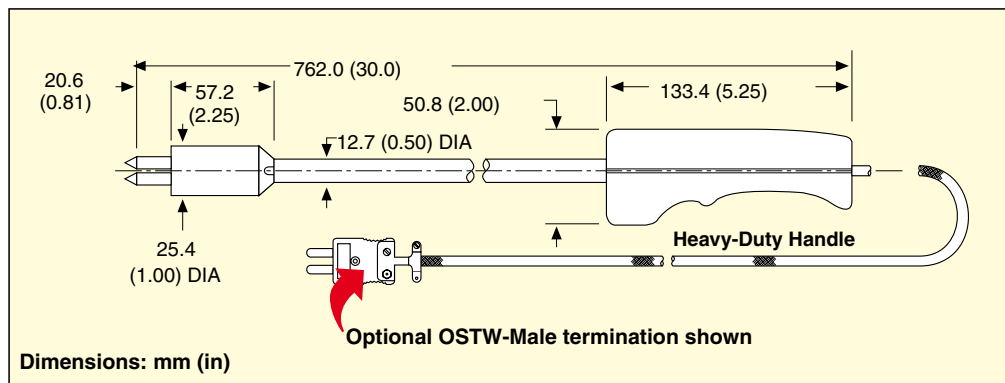
Maximum Temperature: 1260°C (2300°F)

Contacts: 6 mm (¼") pointed

Lead Wire: 1.8 m (6'), stainless steel overbraiding

Probe Length: 762 mm (30")

Handle: Rugged Aluminum, type HDX



To Order	
Model No.	Description
SP-HF-K-6.0	Spade lugs termination
SP-HF-K-6.0-OST-M	OSTW male connector termination
SP-HF-K-6.0-OGP-M	OGP male connector termination

Note: Probe Tips Must Contact Measurement Surface for Accurate Readings

Ordering Example: SP-HF-K-6.0-OST-M, high-temperature foundry probe, Type K, 6" long with an OSTW male standard size connector.

Note: Probe tips must contact measurement surface for accurate readings.

Surface Probes

with Retractable Cable and Miniature Connector Termination



Probe shown with model HH-26K Handheld Thermometer. For complete details on this meter, and hundreds of others, visit Omega.

**Tried and True
System Shown!**

HPS-HT Series

- ✓ Measures Temperature up to 1100°C (2000°F)
- ✓ K, E, or J Calibrations
- ✓ SMPW Miniature Male Connector Termination

Specifications

Maximum Short-term Temperature Rating:

Type K: 1100°C (2000°F)

Type E: 870°C (1600°F)

Type J: 760°C (1400°F)

Maximum Handle Temperature:

70°C (160°F)

Length:

300 mm (12")

(custom lengths available)

Cable: 300 mm (1') Retractable, stretches to 1.5 m (5'); miniature thermocouple (SMPW) connector

Omega's high temperature surface probe features a thermocouple alloy spring-loaded sensing element to ensure consistent readings. The 300 mm (12") probe comes with an SMPW male Connector termination and a 0.3 mm (1') retractable sensor cable (stretches to 1.5 m (5')). Available in thermocouple Types J, K, or E, the HPS-HT probe can measure temperatures up to 1100°C (2000°F), Type K only.

11.2 mm (0.44")
Dia.

54.9 mm
(2.16")

254 mm
(10")

To Order

Model No.	Description
HPS-HT-K-12-SMPW-M	High temperature surface probe, Type K
HPS-HT-E-12-SMPW-M	High temperature surface probe, Type E
HPS-HT-J-12-SMPW-M	High temperature surface probe, Type J

Ordering Example: HPS-HT-K-12-SMPW-M, high temperature surface probe, Type K, 300 mm (12") long with an SMPW miniature connector.