High Temperature Probes
Foundry Probe

SP-HF-K-6 Series

- Type K, CHROMEGATM-ALOMEGATM 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

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, CHROMEGATM-ALOMEGATM
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

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP-HF-K-6.0</td>
<td>Spade lugs termination</td>
</tr>
<tr>
<td>SP-HF-K-6.0-OST-M</td>
<td>OSTW male connector termination</td>
</tr>
<tr>
<td>SP-HF-K-6.0-OGP-M</td>
<td>OGP male connector termination</td>
</tr>
</tbody>
</table>

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.
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.

**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

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<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPS-HT-K-12-SMPW-M</td>
<td>High temperature surface probe, Type K</td>
</tr>
<tr>
<td>HPS-HT-E-12-SMPW-M</td>
<td>High temperature surface probe, Type E</td>
</tr>
<tr>
<td>HPS-HT-J-12-SMPW-M</td>
<td>High temperature surface probe, Type J</td>
</tr>
</tbody>
</table>

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