Profile probes consist of several smaller diameter thermocouples placed inside a single outer sheath. They are best suited for profiling the temperature at various points along a single axis. They can be used in many different applications: furnaces, reactors, heat exchangers, air ducts, and more. Mounting these probes with compression fittings permit easy adjustment of insertion position.

Standard Versions
OMEGA offers several different versions of profile probes in a variety of lengths, calibrations, and sensing points configurations.

Custom Versions
Profile Probes designed to your exact needs are, of course, also available. Pick your own spacing between temperature points, number of sensing points, diameter, sheath material, thermocouple calibration and termination style.

Note: Smaller diameter Profile Probes mean faster response times. The minimum diameter of a profile probe is dependent upon the maximum temperature you want to monitor and number of sensing points desired.

Visit us online or sketch your probe on the following page and fax it to OMEGAs Custom Engineering Department, or call for more details.

To Order

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Sensing Length</th>
<th>Sensing Pipe (in)</th>
<th>Points</th>
<th>Space Between Points (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP3-36-18</td>
<td>360 (14)</td>
<td>3</td>
<td>115 (4.5)</td>
<td></td>
</tr>
<tr>
<td>PP6-36-18</td>
<td>360 (14)</td>
<td>6</td>
<td>45 (1.75)</td>
<td></td>
</tr>
<tr>
<td>PP10-36-18</td>
<td>360 (14)</td>
<td>10</td>
<td>32 (1.25)</td>
<td></td>
</tr>
<tr>
<td>PP3-36-36</td>
<td>900 (36)</td>
<td>3</td>
<td>228 (9.0)</td>
<td></td>
</tr>
<tr>
<td>PP6-36-36</td>
<td>900 (36)</td>
<td>6</td>
<td>89 (3.5)</td>
<td></td>
</tr>
<tr>
<td>PP10-36-36</td>
<td>900 (36)</td>
<td>10</td>
<td>51 (2.0)</td>
<td></td>
</tr>
</tbody>
</table>

(*) Specify calibration type: J, K, T, or E. (**) Specify “G” for grounded or “U” for ungrounded individual thermocouple junctions.

Note: Maximum Continuous Temperatures: J: T: 260°C (500°F); E: 300°C (570°F); K: 650°C (1200°F)
† First point always at probe tip. †† Other lengths available, consult Sales Department

For a male straight M8 plug add “M8-S-M” to the model number for an additional cost, for a male straight M12 plug add “M12-S-M” to the model number for an additional cost. For a male right-angled M12 plug add “M12-S-M” to the model number for an additional cost.

Ordering Example: PP6-36-K-G-18, 6 point profile probe, 450 mm (18") long 316 SS sheath, grounded junctions, Type K, with 1 m (40") PFA lead wire terminating in miniature connectors.
Custom Profile Probe Quotation Form
Copy Page and Fax to OMEGA

Name: ___________________________________  Date: _________________
Company: ________________________________ RFQ #: ________________
Phone #: _________________________________  e-mail: ________________
Fax:  ____________________________________

Sketch your special thermocouple, RTD, or thermistor probe:
(Visit us online in addition to this page for RTD or thermistor profile probes)

Probe Length: ____________________________  Qty: ______ ____________________
Probe Diameter: ______ ____________________  T/C Calibration: ______ ____________________
Probe Material: ____________________________  Maximum Service Temp: ______ ____________________
Lead Length: ______ _______________________  Number of Points: ______ ____________________
Termination: ______ _______________________  Evenly Spaced? ______ ____________________
Junction: Grounded or Ungrounded

Additional Notes: ______ ____________________

Fax the completed form to OMEGA’s Custom Engineering Department
or e-mail your request. Visit us online to download this form.