

## HEATED SAMPLE PROBES

**Flexotherm™** designed a Heated Sample Probe for applications requiring extraction and thermal control of gaseous emissions samples. Constructed of superior insulation and heated with a proprietary heater element, our sample probe can withstand life within a test-cell.

### FEATURES

- Sample outlet port
- Sample extraction tip
- Span tip / overflow port
- 400°F (204°C) Operational Temperature
- Custom lengths available
- Stainless Steel exterior for maximum durability
- 316 Stainless Steel throughout the wetted sample path

### OPTIONS

#### Available Options

316 L Stainless Steel

Dursan SilcoNert® Coating for improved resistance from Ammonia contaminants

Titanium exterior material

### INDUSTRIES

- Automotive, Diesel Engine Testing
- CEMS - Continuous Emissions Monitoring Systems
- Laboratory applications requiring span overflow and sample stream temperature verification

## HEATED SAMPLE PROBE

|            |          |             |                          |       |             |
|------------|----------|-------------|--------------------------|-------|-------------|
| <b>HSP</b> |          |             | <b>376°F<br/>(191°C)</b> |       |             |
| Series     | Diameter | Lead Length | Temperature              | Power | Sensor Type |

|                    |   |  |
|--------------------|---|--|
| <b>Series</b>      | <b>HSP - Heated Sample Probe</b>  |  |
| <b>Diameter</b>    | 1.25" (3.175 cm)  | 1.50" (3.81 cm)  |
|                    | 304 Stainless Steel Main Shell - 1.25" x 0.049 (3.175 cm x 0.1124 cm)<br>316 Electro Polished Stainless Steel Sample Line - 0.25" x 0.035" *<br>316 Stainless Steel Cal Line - 0.125" x 0.020" (0.3175 cm x 0.0508 cm)<br>*(0.635 cm x 0.0889 cm) | 304 Stainless Steel Main Shell - 1.5" x 0.049 (3.175 cm x 0.1124 cm)<br>316 Electro Polished Stainless Steel Sample Line - 0.375" x 0.035" *<br>316 Stainless Steel Cal Line - 0.250" x 0.035" (0.635 cm x 0.0889 cm)<br>*(0.9525 cm x 0.0889 cm)  |
| <b>Lead Length</b> | <u>PROBE</u><br>Standard ≈ 40" (1 m)  | <u>PROBE</u><br>Standard ≈ 6' (1.8288 m)   |
| <b>Temperature</b> | 376°F (191°C) Operational Temperature   |  |
| <b>Power</b>       | <u>VOLTAGE</u><br><b>A</b> - 110 / 115 / 120 VAC<br><b>B</b> - 208 VAC<br><b>C</b> - 220 / 230 / 240 VAC  | <u>POWER CONNECTOR OPTIONS</u><br><b>A</b> - 7 Pin AMP™ (Power Pins 3-5) 10 Amp maximum load<br><b>T</b> - Mini Twist Lock (NEMA ML2-15) (standard)<br><b>W</b> - Straight-Blade (NEMA 5-15) (typical wall outlet)<br><b>M</b> - Molex 3 Pin<br><b>N</b> - None-Flying Leads<br><b>S</b> - Custom / Special (Specify NEMA code or Connector P/N) |
|                    | <b>J</b> - J Type Thermocouple<br><b>K</b> - K Type Thermocouple  | <u>SENSOR CONNECTOR OPTIONS</u><br><b>M</b> - Mini Thermocouple (standard)<br><b>F</b> - Full Size Thermocouple<br><b>A</b> - 7 Pin AMP™ (Sensor Pins 1 and 2)<br><b>R</b> - RTD 3 Pin (Used for 2 and 3 wire RTDs)<br><b>N</b> - None-Flying Leads<br><b>S</b> - Custom / Special (Specify Connector P/N)                                       |