

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

HSP			376°F (191°C)		
Series	Diameter	Lead Length	Temperature	Power	Sensor Type

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