

## 275HD Heated Dilution Gas Sample Probe

<b>275HD Model High Dust Dilution Probe (Part Number Configurator: 275HD)</b>	
<b>All Sample Probes are Configured and Sold WITHOUT probe tubes (Stinger, Quill, Straw)</b>	
<b>Chamber Material</b>	
<b>SS</b>	316 Stainless Steel < 400° F (207° C) (Std.)
<b>SH</b>	316 Stainless Steel < 550° F (288° C)
<b>C</b>	Hastelloy C-276 < 400° F (207° C)
<b>CH</b>	Hastelloy C-276 < 550° F (288° C)
<b>Flange Size and Orientation</b>	
<b>F3S</b>	3" 150# Flange Straddled (Not Valid if 275HD is used with and HPA)
<b>F4S</b>	4" 150# Flange Straddled
<b>F6S</b>	6" 150# Flange Straddled
<b>F3T</b>	3" 150# Flange Top-Dead-Center (Not Valid if 275HD is used with and HPA)
<b>F4T</b>	4" 150# Flange Top-Dead-Center
<b>F6T</b>	6" 150# Flange Top-Dead-Center
<b>Temperature Sensor and Control</b>	
<b>KR</b>	T/C Only (Type K) For Remote Control
<b>DR</b>	RTD Only (PT100) For Remote Control
<b>KL</b>	T/C (Type K) with DIN Controller and Local Enclosure
<b>Fast loop/Bypass</b>	
<b>NL</b>	No Fast Loop
<b>FL</b>	Fast Loop
<b>HL</b>	Fast Loop for use with HPA
<b>Blowback Control</b>	
<b>NBB</b>	No Blowback
<b>B24</b>	Blowback 24VDC Control
<b>BAC</b>	Blowback VAC Control (See system voltage for 115 or 230)
<b>BAIR</b>	Blowback Pneumatic Control
<b>BTAC</b>	Blowback w/ Timer Card (See system voltage for 115 or 230)
<b>HAIR</b>	Heated Blowback Pneumatic Control
<b>H24</b>	Heated Blowback 24VDC Control
<b>HAC</b>	Heated Blowback VAC Control (See system voltage for 115 or 230)
<b>HTAC</b>	Heated Blowback w/ Timer Card (See system voltage for 115 or 230)
<b>Blowback Injection</b>	
<b>S</b>	Standard Flood Blowback
<b>P</b>	Injected before the filter for Probe Tip Filter Blowback
<b>D</b>	Dual Blowback
<b>N</b>	No Blowback
<b>Blowback Options</b>	
<b>N</b>	No Blowback Options Included
<b>BI</b>	Blowback & Fast loop Instrument Air Combined
<b>BD</b>	Dual Blowback Control (Separate Instrument Air Supplies for Fast loop & Blowback)
<b>Boot Plate Size</b>	
<b>2</b>	2" Boot - 0.75" - 1.6" (19.05mm - 40.64mm) Dia.
<b>3</b>	3" Boot (Standard) - 1.38" - 2.75" (35.05mm - 69.85mm) Dia.
<b>4</b>	4" Boot - 1.43" - 4.47" (36.32mm - 113.54mm) Dia.
<b>N</b>	No Boot
<b>System Voltage</b>	
<b>115</b>	115 VAC Power Input
<b>230</b>	230 VAC Power Input
<b>Orifice/Dilution Ratio</b>	
<b>#3</b>	#3 Critical Orifice (270-650:1)
<b>#4</b>	#4 Critical Orifice (130-260:1)
<b>#5</b>	#5 Critical Orifice (70-160:1)
<b>#6</b>	#6 Critical Orifice (65-120:1)
<b>#7</b>	#7 Critical Orifice (40-80:1)
<b>#8</b>	#8 Critical Orifice (30-55:1)
<b>#9</b>	#9 Critical Orifice (23-40:1)
<b>#10</b>	#10 Critical Orifice (21-30:1)
<b>#11</b>	#11 Critical Orifice (17-25:1)
<b>#12</b>	#12 Critical Orifice (13-20:1)
<b>#15</b>	#15 Critical Orifice (8-15:1)
<b>Options:</b>	
<b>HKR</b>	Integrated HPA with Type K T/C for Remote Control
<b>HJR</b>	Integrated HPA with Type J T/C for Remote Control
<b>HDR</b>	Integrated HPA with RTD for Remote Control
<b>HKL</b>	Integrated HPA with Type K T/C for Local Control
<b>N</b>	No Additional Options
<b>O2</b>	Zirconia Oxygen Sensor with Pressure Transducer
<b>PT</b>	Integrated Pressure Transducer only (4-20mA, 0-30 psia) (w/o O2 Sensor)
<b>N</b>	No Zirconia O2 Sensor or Integrated Pressure Transducer
<b>Extended Length Probe Tube Support</b>	
<b>N</b>	Std PTS
<b>P2C</b>	Extended Length Probe Tube Support
<b>P2S</b>	x = Length in Ft (2,3,4,5)
<b>P2T</b>	y=Material of Construction
<b>P2I</b>	S = 316SS (up to 1100° F (593° C))
<b>P3C</b>	T = 310SS (up to 1600° F (871° C))
<b>P3S</b>	C = Hast C-276 ( (up to 1900° F (1038° C))
<b>P3T</b>	I = Inconel ( (up to 1600° F (870° C))
<b>P3I</b>	
<b>P4C</b>	
<b>P4S</b>	
<b>P4T</b>	
<b>P4I</b>	
<b>P5C</b>	
<b>P5S</b>	
<b>P5T</b>	
<b>P5I</b>	

275HD -SS -F4S -KR -FL -B24 -S -N -3 -115 -#5 -N -N -N

Drawing: P1308