

# Application Form P-800LT Freeze



Contact: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State ZIP: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Phone: + \_\_\_\_\_  
COUNTRY CODE PHONE NUMBER  
 Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Desired Delivery  
 Date: \_\_\_\_\_  
 Refinery: \_\_\_\_\_  
 Area: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_  
 Country: \_\_\_\_\_

If replacing an existing analyzer what is being replaced?  
 Analyzer Manufacturer: \_\_\_\_\_  
 Analyzer Model: \_\_\_\_\_

Please Describe the Application (i.e. process stream and monitoring objectives):

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Laboratory Test Method \_\_\_\_\_ will be used to correlate with the new on-line analyzer.

## Sample Data:

Analyzer	Unit of Measure	Normal	Maximum	Minimum	Temperature
Freeze Point Range:	°C / °F				
Viscosity:	cSt / cP		N/A	N/A	
Specific Gravity:	None		N/A	N/A	
Water:	%		N/A	N/A	
Solids:	PPM		N/A	N/A	
Dissolved Solids:	%		N/A	N/A	

Sample Contaminants (Describe):

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Sample Slipstream Limits:

Inlet to Analyzer: \_\_\_\_\_ barg / psig at \_\_\_\_\_ °C / °F  
 Return Tap from analyzer: \_\_\_\_\_ barg / psig  
 Distance from analyzer to process tap: \_\_\_\_\_ meters / feet to return tap: \_\_\_\_\_ meters / feet  
 Cooling Water Temperature \_\_\_\_\_ °C / °F  
 Cooling Water Pressure \_\_\_\_\_ barg / psig

Additional Notes:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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## Cooling Method:

- Peltier (P800 only)
- Cryo-cooled with liquid (P800LT only, requires plant water)
- Cryo-cooled with air (P800LT only, requires dry plant air @ 80 – 120 psi, 70 scfm)

## Instrument location:

- Existing Shelter
- Existing 3 Sided Shelter/Environmental Cabinet
- New Shelter
- Request Orb Quote for Shelter

## Available Utilities:

- Instrument Air                      Max. allowable air consumption \_\_\_\_\_                      Air pressure \_\_\_\_\_
- Atmospheric Drain                      Max. allowable flow to drain \_\_\_\_\_

## Electrical Power Supply:

\_\_\_\_\_ Volts AC    \_\_\_\_\_ +/- Volts AC    \_\_\_\_\_ Hz    \_\_\_\_\_ Phase

## Output Signal:

One 4-20 mA output signal is standard

Output Range (minimum): \_\_\_\_\_ (maximum): \_\_\_\_\_

## Communication Output:

optional, please check one:

- Serial/RTU
- TCP/IP Ethernet
- None

## Area Classification (please check one):

- CSA/CUS Class 1, Div. 1, Group B, C & D T6
- ATEX Ex d IIB T6 Gb

## Environment:

Temperature range **inside** analyzer shelter (minimum): \_\_\_\_\_ °C/°F (maximum): \_\_\_\_\_ °C/°F

Temperature range **outside** analyzer shelter (minimum): \_\_\_\_\_ °C/°F (maximum): \_\_\_\_\_ °C/°F

Expected humidity **inside** analyzer shelter: \_\_\_\_\_ %

Expected humidity **outside** analyzer shelter: \_\_\_\_\_ %

Will analyzer be subjected to a tropical climate: \_\_\_\_\_ Yes    \_\_\_\_\_ No

Special environmental requirements (describe):

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## Commissioning & Start-up:

Do you or the end-user request commissioning & start-up assistance: \_\_\_\_\_ Yes    \_\_\_\_\_ No

If yes, please detail:

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## Process Sample Supplied for FAT:

Customer Supplied: \_\_\_\_\_ Yes    \_\_\_\_\_ No                      Product Name: \_\_\_\_\_

If No, please explain:

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