Process Insights
Premium Insights Into Process

FTIR, NIR, UV, Mass Spec Application Work Sheets

Customer Info

Company Name _____ Company Site _____

Contact Name _____ Contact Phone _____

Contact Email _____

End User Company (If requesting Company is not the end user) _____

General

Application Description: _____

Use Case / Reason for Analysis:

☐ Product Quality
☐ Product Yield
☐ Closed-loop Control
☐ Regulatory / Compliance
☐ Safety
☐ Other _____

Form of Sample:

Desired Sampling Method: ☐ In-situ ☐ Extractive

Desired Response Time: _____ (Time Unit)

Total Number of Streams _____

Area & Utility Requirements

Area Classification: ☐ General Purpose ☐ Hazardous Location

Hazardous Area Compliance Directive: ☐ CSA ☐ NEC 500 ☐ NEC 505 ☐ UL ☐ ATEX ☐ IECEx

☐ Additional Certification Requirements: _____

Class Group/Zone T-Rating

Analyzer Location: ☐ Indoor/Temperature Controlled ☐ HazEx Analyzer Shelter ☐ 3-sided Outdoor Shelter

Installation Area Temperature Range: _____ ☐ °C ☐ °F Humidity Range: _____

Power Requirements: ☐ 115 VAC 50/60 Hz ☐ 230 VAC 50/60 Hz

Voltage +/- 10%, Hz +/- 5%: ☐ Yes ☐ No

Instrument Air Available: ☐ Yes ☐ No Pressure/Temp/Dew Point: _____

Nitrogen Available: ☐ Yes ☐ No Pressure/Temp/Dew Point: _____

Stream Compositional Data

Stream # / ID _____ **(Use new page for additional streams)**

Select measurement unit from pull-down or type in the required unit.

Stream Composition:

Component	Desired measurement	Min.	Normal	Max.	Units*
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				

*Stream Composition total 100%

	Min	Normal	Max:	Units:
Sample Temperature:	_____	_____	_____	☐ °C ☐ °F
Sample Pressure:	_____	_____	_____	

Desired Accuracy: _____

Distance from sample tap to analyzer: _____

Water Dewpoint Temperature & Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Hydrocarbon Dewpoint Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Filtration Requirement: _____ ☐ Customer to provide filtration

Is Sample Corrosive? Yes No

Sample Outlet: ☐ Vent to Atmosphere ☐ Vent to Exhaust ☐ Return to Process Pressure: _____ (pressure unit)

Sample Probe: ☐ PI to provide ☐ Customer to provide

Special Requirements or Additional Details: _____

Stream Compositional Data

Stream # / ID _____ **(Use new page for additional streams)**

Select measurement unit from pull-down or type in the required unit.

Stream Composition:

Component	Desired measurement	Min.	Normal	Max.	Units*
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐	55			
	☐				
	☐				
	☐				

*Stream Composition total 100%

	Min	Normal	Max:	Units:
Sample Temperature:	_____	_____	_____	☐ °C ☐ °F
Sample Pressure:	_____	_____	_____	

Desired Accuracy: _____

Distance from sample tap to analyzer: _____

Water Dewpoint Temperature & Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Hydrocarbon Dewpoint Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Filtration Requirement: _____ ☐ Customer to provide filtration

Is Sample Corrosive? Yes No

Sample Outlet: ☐ Vent to Atmosphere ☐ Vent to Exhaust ☐ Return to Process Pressure: _____ (pressure unit)

Sample Probe: ☐ PI to provide ☐ Customer to provide

Special Requirements or Additional Details: _____

Stream Compositional Data

Stream # / ID _____ **(Use new page for additional streams)**

Select measurement unit from pull-down or type in the required unit.

Stream Composition:

Component	Desired measurement	Min.	Normal	Max.	Units*
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				

*Stream Composition total 100%

	Min	Normal	Max:	Units:
Sample Temperature:	_____	_____	_____	☐ °C ☐ °F
Sample Pressure:	_____	_____	_____	

Desired Accuracy: _____

Distance from sample tap to analyzer: _____

Water Dewpoint Temperature & Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Hydrocarbon Dewpoint Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Filtration Requirement: _____ ☐ Customer to provide filtration

Is Sample Corrosive? Yes No

Sample Outlet: ☐ Vent to Atmosphere ☐ Vent to Exhaust ☐ Return to Process Pressure: _____ (pressure unit)

Sample Probe: ☐ PI to provide ☐ Customer to provide

Special Requirements or Additional Details: _____

Stream Compositional Data

Stream # / ID _____ **(Use new page for additional streams)**

Select measurement unit from pull-down or type in the required unit.

Stream Composition:

Component	Desired measurement	Min.	Normal	Max.	Units*
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				
	☐				

*Stream Composition total 100%

	Min	Normal	Max:	Units:
Sample Temperature:	_____	_____	_____	☐ °C ☐ °F
Sample Pressure:	_____	_____	_____	

Desired Accuracy: _____

Distance from sample tap to analyzer: _____

Water Dewpoint Temperature & Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Hydrocarbon Dewpoint Pressure: _____ ☐ °C ☐ °F _____ (pressure unit)

Filtration Requirement: _____ ☐ Customer to provide filtration

Is Sample Corrosive? Yes No

Sample Outlet: ☐ Vent to Atmosphere ☐ Vent to Exhaust ☐ Return to Process Pressure: _____ (pressure unit)

Sample Probe: ☐ PI to provide ☐ Customer to provide

Special Requirements or Additional Details: _____

Communication Options

Digital Communications

☐ Modbus TCP/IP

☐ Modbus RTU

Bi-directional: ☐ Yes ☐ No

Fiber Optic: ☐ Yes ☐ No

(Mode) (Connector)

☐ OPC UA ☐ OPC DA

☐ Other_____

I/O Requirements

Analog Outputs	☐ Yes	☐ No	# of Channels____
Analog Inputs	☐ Yes	☐ No	# of Channels____
Digital Outputs	☐ Yes	☐ No	# of Channels____
Digital Inputs	☐ Yes	☐ No	# of Channels____
Relays	☐ Yes	☐ No	# of Channels____
IS Barrier	☐ Yes	☐ No	

Service & Spare Parts Requirements

Acceptance Testing:	☐ FAT	☐ SAT	☐ FAT at integrator	
Training:	☐ Factory	☐ Field		
Spare Parts Kits:	☐ Commissioning	☐ 2-year	☐ Capital (5+ Years)	
Warranty Coverage (months):	☐ Standard 12/18	☐ Enhanced 24/30	☐ Extended 36/42	
Analyzer Maintenance Contract:	☐ Platinum	☐ Gold	☐ Silver	☐ Bronze

Timing & Budget

Proposal Type:	☐ Firm	☐ Budgetary			
Timing:	☐ Current Fiscal Year	☐ Next Budget Cycle	☐ Not Sure	☐ ASAP	

Target Spend: per

Thank you for taking the time to provide us more detail!