

FT-NIR Application Data Sheet

Analyzer Tag: _____

General Information

End User: _____

Plant Name/Location: _____

Scope of Supply

Required items: Analyzer(s); NIR Cell(s); NIR Fiber Optic Cable; Sample System

Documentation: Approval Drawings; Certified Drawings _____ copies; Test Certificate _____ copies;

Special Documentation (describe) _____

Application Support: Feasibility Study; Calibration Modeling; Start-up Assistance;

Operation, Maintenance & Model Maintenance Training; Factory Acceptance Testing (FAT)

_____ Special _____ Application _____ Support (describe) _____

Process Description

Purpose: Closed Loop Control; Monitoring; Alarm; Other _____

Continuous; Batch/Intermittent; Laboratory Analysis

Brief Description of Process: _____

System Configuration

Number of measurement channels: 1; 2; 3; 4

Sample Cell: In-situ; Extractive Sample System; Probe; Flow-through cell

Stream Switching (extractive systems only): _____ streams on channel 1; _____ streams on channel 2;

_____ streams on channel 3; _____ streams on channel 4; double-block-and-bleed; single block;

special requirements _____

Outputs: RS422 Modbus; 4-20 mA Analog; DC digital outputs; DC digital inputs

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Workstation Communication: Ethernet 10 Base T; Fiber Optic Ethernet (hazardous areas)

Special requirements: _____

Area Classification

NEC: Class I, Group A; B; C; D; Div. 1; Div.2 T-Rating: _____

CENELEC Zone I; II; Gas Group IIC; IIB; + H2; IIA; T-Rating_____

Acceptable Certifications: JIS; FM/ETL/UL; CSA; CENELEC

Analyzer Location: Indoor; Outdoor; Corrosive
Atmosphere_____

Toxic Atmosphere; Special requirements_____

Cell/Probe Location: Inside near Analyzer (5 m max.); Outside Wall of Analyzer Shelter (5 m max.);

Remote, Cable distance from Analyzer to Cell/Probe: _____CH1; _____CH2; _____CH3; _____CH4

Available Utilities

Power: _____VAC _____ Hz _____ Phase

Instrument Air: _____ PSIG/BARG (normal range); _____ PSIG/BARG (min); _____ Dewpoint °F/°C

Steam: _____ PSIG/BARG _____ °F/°C; Water: _____ PSIG/BARG _____ °F/°C (normal range)

Cooling Water Utility Water Deionized Water

Sample Description

STREAM __1__ **CHANNEL** __1__

	Component or Property	Normal Value	Measurement Range	Unit	Measure
1					<input type="checkbox"/>
2					<input type="checkbox"/>
3					<input type="checkbox"/>
4					<input type="checkbox"/>
5					<input type="checkbox"/>
6					<input type="checkbox"/>
7					<input type="checkbox"/>
8					<input type="checkbox"/>
9					<input type="checkbox"/>
10					<input type="checkbox"/>
11					<input type="checkbox"/>
12					<input type="checkbox"/>

Sample Physical Conditions

Source: Pressure: _____ PSIG/BARG; Temperature: _____ °F/°C; Phase: Liquid; Vapor

Two-phase Sample (describe)_____

Viscosity: _____ CSt/Cpoise at _____ °F/°C; Density: _____ SPG/g/L

Particulates: _____ size µm Fluid Velocity _____ (ft/sec.)/(m/sec.)

Pipe Diameter _____ in.; Process Connection: Flange; Screwed;

Other_____

Specify connection diameter/rating/material_____

Sample Return: Pressure: _____ PSIG/BARG; Temperature: _____ °F/°C

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