

Nexus - Gas Analysis System Questionnaire

The questions asked in this questionnaire are provided to assist the Customer in understanding what information is required for the design of your analyser and system, and to help make the process gathering of important information more efficient for the Customer and Nexus.

Application

Tag-No. _____

Duty Description : _____

Fuel (If for fuel gas application) : _____

What is the function of the system?

Emissions Process measurement Process regulation

Flammable or toxic sample gas ? NO or YES

Flammable environment ? NO or YES Zone ____ Gas Group ____ Temperature Class ____

Components to be measured :

	Component	Measuring Range	Unit
1			
2			
3			
4			
5			

Other Constituents (as a range) :

	Constituent	Low Range	High Range	Unit
1				
2				
3				
4				
5				
6				
7				
8				

Calibration

Method : Cal. Cell or Gas Cal.

Approx. Frequency : ____ weeks Autocal ? NO or YES

Contaminants

Corrosive components (eg Acid/Acid mists)

	Corrosive Component	Concentration	Unit
1			
2			

Acid Dew Point : _____ °C

Water Vapour Dew Point : _____ °C

Solid components : _____ mg/m³ Type & Granulation (if known) : _____ % _____ μ

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Sample Point Operating Conditions

Operating pressure _____ Barg

Operating temperature _____ °C

Density _____ kg/m³

Environmental Conditions at Analyser

Ambient temperature Range (Approx.) _____ °C

Max. relative humidity _____ %

Preferred cabinet IP Rating _____

Installation

Electrical

Power supply _____ Volt _____ Hz

ELCB Protected (at Customer's switchboard) NO or YES

Supply cable size _____ mm²

Pneumatic

Pressure _____ Barg

Capacity _____ l/m

Air quality (eg Oil, dirt and water free) : _____

Interface

Computer Interface required (eg Modbus) ? YES

For Information:

Analogs 4 to 20 mA (powered from analyser. Max. 750 ohm load Customer side)

Alarms (Standard : Volt-free contacts Max 30 Volt / 1Amp non-inductive)

Response Time

T90-time: unimportant or _____ seconds

Additional remarks (& special requirements) :

Prepared by : _____

Company : _____

Date : _____

We can only guarantee reliable measurement results when the information submitted is specific and accurate.