

YOKOGAWA



Quality
Innovation
Foresight

A Yokogawa Commitment to Industry

vigilance®

Customer & End User Info:

Company requesting quote	
Above client is classified as	<input type="checkbox"/> End User <input type="checkbox"/> ASV <input type="checkbox"/> EPC <input type="checkbox"/> Export/Trading Company
Contact Info	Name _____ Phone _____
	Email _____ Fax _____
Location/address for quote	
Client RFQ number	
Project Name	
End User (if not same as above)	
End User location/address	

Request For Quote (RFQ) Info:

RFQ is attached (Y/N) <input type="checkbox"/>	Bid Due Date _____	Anticipated Order Date _____	
If not attached, RFQ being sent separately via <input type="checkbox"/> email <input type="checkbox"/> fax <input type="checkbox"/> mail <input type="checkbox"/> verbal/phone			
Inquiry is for <input type="checkbox"/> Feasibility <input type="checkbox"/> Budget estimate			
<input type="checkbox"/> Funding request <input type="checkbox"/> Firm Bid for purchase			
Summary of Scope to be supplied	<input type="checkbox"/> GC's	<input type="checkbox"/> Sample Systems	<input type="checkbox"/> Other Yokogawa equipment
	<input type="checkbox"/> GC Network	<input type="checkbox"/> Shelters	<input type="checkbox"/> Non-Yokogawa buyouts
	<input type="checkbox"/> FTNIR's	<input type="checkbox"/> Field assistance	<input type="checkbox"/> Training

REP Info:

REP Firm		Contact Name
REP Office Phone		Contact Email
REP Office Fax		Cell Phone
REP location/address		
Date RFQ received		Date RFQ sent to Yokogawa
Send proposal to <input type="checkbox"/> REP (for personalized delivery to client) <input type="checkbox"/> Direct to client (CC rep)		

Additional Info/Sales Strategy: (competition, key persons, discounts, other useful info, etc.)

YOKOGAWA



TAG SPECIFIC GC REQUIREMENTS

Analyzer Tag#:		Shelter ID (if applicable):	
Application use (BTU, product purity, etc):			
Is GC replacing an existing Yokogawa unit?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Includes "GCSM"?	
If yes, type of old Yokogawa GC being replaced?		<input type="checkbox"/> Old GC-6 <input type="checkbox"/> Old GC-8 <input type="checkbox"/> early GC1000	
Serial number of old existing GC being replaced?		KGC-	
GC Application type desired or anticipated?		<input type="checkbox"/> Isothermal <input type="checkbox"/> Temperature Programmed	
Location of GC:	<input type="checkbox"/> Indoors <input type="checkbox"/> Outdoors (may require enclosure for weather protection)		
Enclosure required?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Enclosure type:	<input type="checkbox"/> Use existing enclosure		<input type="checkbox"/> Supply new enclosure
	<input type="checkbox"/> Stand-alone Cubicle	<input type="checkbox"/> Walk-in shelter	<input type="checkbox"/> 3-sided type
Sample Conditioning System (SCS) required?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
(also known as Sample Handling System: SHS)		<input type="checkbox"/> New <input type="checkbox"/> Re-use existing SHS?	
Location of SCS/SHS:	<input type="checkbox"/> Indoors <input type="checkbox"/> Outdoors <input type="checkbox"/> On Floor-stand Rack with GC		
	<input type="checkbox"/> Beside GC <input type="checkbox"/> Under GC <input type="checkbox"/> Behind GC <input type="checkbox"/> Exterior Wall		
Distance from sample tap(s) to GC/SHS location:			
ADDITIONAL DETAILS:			
Number of streams to be analyzed?	(max. is 31 including calib. streams)		
Stream switching:	<input type="checkbox"/> Automatic		<input type="checkbox"/> Manual
Calibration:	<input type="checkbox"/> Automatic		<input type="checkbox"/> Manual
Desired GC Analysis Cycle Time:	<input type="checkbox"/> Vendor to advise		
Carrier Gas desired:	<input type="checkbox"/> Vendor to advise		
Detector & column types desired:	<input type="checkbox"/> Vendor to advise		
Electronic Pressure Control?	<input type="checkbox"/> Yes <input type="checkbox"/> No		(Flow regulators are already in heated zones, only benefit is software accessibility)
Network connectivity desired:	<input type="checkbox"/> None (stand-alone)		<input type="checkbox"/> Yes (see sheet 2 for details)
OTHER OPTIONAL GC INPUTS/OUTPUTS (I/O's) desired:			
Stand-alone dedicated PC port (remote access)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Local RS232 (< 50 feet)	<input type="checkbox"/> Remote RS422 (> 50 feet) <input type="checkbox"/> Stand-alone Ethernet (not available if network is chosen)
(RS422 version includes RS232 converter for PC)			
Stand-alone dedicated single GC DCS port	<input type="checkbox"/> Yes <input type="checkbox"/> No	Modbus RTU, RS422 (integral to GC, typically in lieu of network connectivity) (includes RS232 converter for DCS/PLC/etc)	
Analog Outputs	<input type="checkbox"/> Yes <input type="checkbox"/> No	Quantity:	(isolated 4-20mADC, hold type, 36 max)
Analog Inputs	<input type="checkbox"/> Yes <input type="checkbox"/> No	Quantity:	(4-20mADC 2-wire, 4 max)
Digital Outputs	<input type="checkbox"/> Yes <input type="checkbox"/> No	Quantity:	(transistor closures, 8 max)
Digital Inputs	<input type="checkbox"/> Yes <input type="checkbox"/> No	Quantity:	(dry contact, 8 max)

Process Sample and Measuring Range

Pg 1

Tag #		Stream 1 (name)			Stream 2 (name)				
		Concentration (vol%)			Measuring Range (vol%)	Concentration (vol%)			Measuring Range (vol%)
No.	Component	Min.	Norm.	Max.		Min.	Norm.	Max.	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									

Sample Phase at tap (note 1)	<input type="checkbox"/> Vapor	<input type="checkbox"/> Liquid	<input type="checkbox"/> Vapor	<input type="checkbox"/> Liquid
Sample Pressure at tap	<input type="checkbox"/> bar <input type="checkbox"/> psi		<input type="checkbox"/> bar <input type="checkbox"/> psi	
Sample Temperature at tap	<input type="checkbox"/> C <input type="checkbox"/> F		<input type="checkbox"/> C <input type="checkbox"/> F	
Return Point pressure/phase (note 2)		<input type="checkbox"/> V <input type="checkbox"/> L		<input type="checkbox"/> V <input type="checkbox"/> L
Phase to GC (notes 1 & 3)	<input type="checkbox"/> Vapor	<input type="checkbox"/> Liquid	<input type="checkbox"/> Vapor	<input type="checkbox"/> Liquid
Max Inlet Pressure at GC (barg)	< 4 for vapors	< 30 for liquids	< 4 for vapors	< 30 for liquids
Max Inlet Temperature at GC (C)	< 65 for vapors	< 150 for liquids	< 65 for vapors	< 150 for liquids
Dust: amount and particle size				
Corrosive Components: Acid, etc				
Moisture (if not shown above)				
Stability: polymerizes,decomposes				

- Notes**
- 1) GC's require Single-Phase samples. SCS/SHS must supply only Single-Phase sample to GC.
 - 2) Specify if return point of extractive sample fastloop is back to process, to pressurized flare, or to atmospheric vent header. If process or flare, specify pressure and units.
 - 3) Sample phase at tap and sample phase to GC may be different, Yokogawa to advise.
 - 4) **Please list entire stream composition (100%). Non-measured components in the sample background are as important to the GC design and the analysis success as are the measured components. Please also list desired ranges for measured components.**
 - 5) Please copy this page as needed for additional streams or additional tags.