

Application Data Sheet

Company:Location:	Contact:				
Phone:	Fax:				
Make and Analyzer Detection Meth	nod:				
Source of Sample:					
Area Classification?	(General)	(Hazardous)			
Installation?	(Indoor)	(Outdoor)			
Sample Line Heated?	(If Yes, Temp.?)	(No)			
Is -40°C Dew point instrument Air Available? (Yes) (No)					
Sampling System Inlet Conditions: Gas Sample Stream Composition:					
Flow (I/min):	NO _x ppm:	HCI ppm:			
Pressure (in. H ₂ O):	O ₂ %:	SO ₂ <i>ppm</i> :			
Temperature ($^{\circ}$ C):	CO ₂ %:	SO ₃ ppm:			
H₂O (% volume):	CO ppm:	NH ₃ <i>ppm</i> :			
Sample Outlet Dew Point Req'd: (0 to 5°C) (-5	to 0°C) (-10 to -5°C) (′-10 to -15°C)	(<-15°C)		
ALL REQUESTED INFORMATION MUS	ST BE FILLED IN TO ENSUI	RE AN ACCURA	TE QUOTATION		
agree that this customized conditioning sy characteristic of the process should change made to meet these changes.					

APPLICATION DATA INQUIRY

1	Where is the preferred mounting location for the con	ditioning system?	What is the area classification?
	Directly on the probe Stack dia	Flange dia	Classification :
	At the stack with 6' of heated sample line		General
	On the ground in an analyzer shed	-	
	Note that stack mounting does save considerable heated line eclimates, freeze protected line will still be required. If stack maccessable for filter replacement and maintenance.		Class I, Div. II
3	If there is any SO_2 in the sample, what is the concent	ration?	
	ppm SO ₂		
	If the concentration of sulfur dioxide will be 100 ppm or less i the concentration exceeds 1000 ppm, there will very likely be required.		=
4	Will the DeNOx process be in use (will ammonia be injected i ammonia scrubber must be added to the system to protect the a precipitate formed by the reaction between residual ammonia	dryer and analyzer from the	e formation of ammonium bisulfate,
	The NH ₃ concentration is?		
	ppm NH ₃		
5	If there is HCl in the sample, what is the concentration? ppm HCl		6 The Perma Pure dryer requires a purge gas to remove the water vapor from the system.
	Hydrogen Chloride will not hurt the system, but will require that all wetted surfaces be a fluorocarbon polymer (either Teflon® or Kynar®) instead of stainless steel so that there is no corrosion.		Will -40°C dew point air be available?
7	What is the inital water content and temperature of the sample?	What is the total sample flow rate	YES NO
	Coal or Oil combustion = ~12% H ₂ O/vol Natural Gas = ~22% H ₂ O by volume Wet Scrubber = ~50% H ₂ O by volume Other	required by the analyzers?	If good quality instrument air is not available, the optional heatless dryer will be build into the system to provide dry purge air for the Nafion gas dryer that processes the
	Sample Temperature		sample gases.
9	What are your electrical requirements?	10 Company	
	110 VAC, 60Hz 220 VAC, 50 Hz	ContactPhone	Fax



PERMA PURE LLC

8 Executive Drive Toms River, N.J. 08754

Phone: 732-244-0010 Fax: 732-244-8140