



**Procal 2000 and Procal 5000
Emission Analyzer Application Data Sheet**

CEM SCR Combustion Control Other (please advise) _____

Please list ALL Background components in the flue gas sample stream in the table below and select the required ranges from table listed on the next page:

Stack Gas Components (Please list all)		Minimum	Normal	Maximum
Flue Gas Water Vapor	Vol. % _____	_____	_____	_____
Carbon Dioxide	Vol % _____	_____	_____	_____
Carbon Monoxide	ppm _____	_____	_____	_____
NOx:	ppm _____	_____	_____	_____
SO2:	ppm _____	_____	_____	_____
Others:	ppm _____	_____	_____	_____

The above data is very important: *Note:* Accurate data is essential to establish the correct analyzer operating parameters for use during factory calibration.

Application Specific Data

EPA Compliance: _____ 40 CFR Part 60: _____ Part 75: _____ Part 266: _____ Other: _____
 Number of Points to be Monitored: _____ Fuel to be Fired: _____
 Particulate (Dust Loading): _____ Sample Gas Flow: _____ Sample Gas Pressure: _____
 *Gas Temp at Probe (OHU) Location: Min: _____ Norm: _____ Max: _____
 *Ambient Temp at OHU Location: Indoor: _____ Outdoor: _____ Min: _____ Norm: _____ Max: _____
 Radiant heat conditions at OHU location: None _____ Other, please quantify _____
 Ambient Temp at Transmitter (ACU) Location: Indoor: _____ Outdoor: _____ Min: _____ Norm: _____ Max: _____
 Installation Area Electrical Classification: General Purpose: _____ Hazardous: Div: _____ Class: _____ Group: _____
 Utilities Available: Volts: _____ Hertz: _____ Instrument Air: _____ Dewpoint: _____ N2: _____
 Size of Duct or Stack: OD: _____ ID: _____ High: _____ Wide: _____
 Vertical or Horizontal Installation: _____ Duct Insulation Thickness: _____
 Access to OHU at installation location: _____
 Probe Length: P2000 or P5000 (32" Std): _____ or other length: _____
 Distance Between ACU and first OHU: _____ ACU and last OHU: _____ up to 4000 feet
 Output Signal: 4-20 mA: _____ RS232: _____ RS485: _____ MODBUS RTU: _____
 Access to installation location: _____
 Any Other Application Notes: _____

*Note: Accurate temperature data is essential for factory calibration of analyzer operating parameters.

Instrument Air is defined as: Oil free Instrument Air with a Dewpoint of -20 °F or better



Select up to 6 components and choose a model number from the list below and specify the required range. Please indicate if dual ranges are required, by entering second range data if applicable.

Procal 2000				Procal 5000			
<i>Components:</i>	<i>Min Range</i>	<i>Required Ranges</i>		<i>Components:</i>	<i>Min Range</i>	<i>Required Ranges</i>	
		<i>Range One</i>	<i>Range Two</i>			<i>Range One</i>	<i>Range Two</i>
CO	0-200 ppm	_____	_____	NH3	0-20 ppm	_____	_____
CO2	0-100 ppm	_____	_____	Cl2	0-20 ppm	_____	_____
H2O	0-2000 ppm	_____	_____	F2	0-100 ppm	_____	_____
SO2	0-100 ppm	_____	_____	H2S	0-20 ppm	_____	_____
NO(x)	0-300 ppm	_____	_____	NO(x)	0-20 ppm	_____	_____
NO2	0-250 ppm	_____	_____	NO2	0-20 ppm	_____	_____
NH3	0-100 ppm	_____	_____	O3	0-1 ppm	_____	_____
HCl	0-500 ppm	_____	_____	SO2	0-10 ppm	_____	_____
HF	0-200 ppm	_____	_____				
C4H10,C2H4	0-100 ppm	_____	_____	Others	_____	_____	_____
C3H8	0-100 ppm	_____	_____		_____	_____	_____
CH4,C2H6	0-300 ppm	_____	_____		_____	_____	_____
Others	_____	_____	_____		_____	_____	_____

Note: Accurate data is essential to establish correct analyzer operating parameters during factory calibration. Please submit one Application Data sheet for each stack or duct.

Delta Instrument also supplies a full-range of Oxygen analyzers for Diluent Input or Combustion Control - Details on request or visit [Delta Instrument.com](http://DeltaInstrument.com).

Name: _____ Phone No: _____

Date: _____ Fax No: _____

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Project Name: _____ Email: _____