



## 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 (AU) Location: Min: \_\_\_\_\_ Norm: \_\_\_\_\_ Max: \_\_\_\_\_  
 \*Ambient Temp at AU Location: Indoor: \_\_\_\_\_ Outdoor: \_\_\_\_\_ Min: \_\_\_\_\_ Norm: \_\_\_\_\_ Max: \_\_\_\_\_  
 Radiant heat conditions at AU 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 AU: \_\_\_\_\_ ACU and last AU: \_\_\_\_\_ 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 lower.



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			
Components:	Min Range	Required Ranges		Components:	Min Range	Required Ranges	
		Range One	Range Two			Range One	Range Two
CO	0-150 ppm	_____	_____	NH3	0-20 ppm	_____	_____
CO2	0-100 ppm	_____	_____	Cl2	0-20 ppm	_____	_____
H2O	0-2000 ppm	_____	_____	F2	0-20 ppm	_____	_____
SO2	0-100 ppm	_____	_____	H2S	0-20 ppm	_____	_____
NO(x)	0-240 ppm	_____	_____	NO(x)	0-20 ppm	_____	_____
NO2	0-200 ppm	_____	_____	NO2	0-20 ppm	_____	_____
NH3	0-100 ppm	_____	_____	N2O	0-500 ppm	_____	_____
HCl	0-500 ppm	_____	_____	O3	0-1 ppm	_____	_____
HF	0-200 ppm	_____	_____	SO2	0-10 ppm	_____	_____
C4H10	0-100 ppm	_____	_____				
C3H8	0-100 ppm	_____	_____	Others	_____	_____	_____
C2H6	0-200 ppm	_____	_____		_____	_____	_____
CH4	0-300 ppm	_____	_____		_____	_____	_____
C2H4	0-500 ppm	_____	_____		_____	_____	_____
Other	_____	_____	_____		_____	_____	_____

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 Correction 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: \_\_\_\_\_