

Application Questionnaire for Continuous Emission Monitoring (CEM) Systems

(IMR400 and IMR5000)

This document must be filled out as completely as possible to allow our engineering department to choose the best installation hardware for your particular requirements.

Writer's name: _____ Date: _____

1) Customer Information

Company:	
Name:	
Title:	
Address:	
Tel:	Fax:

2) Application

Location:
Name of Facility / Plant:
Producing Area:
Fuel:
Calculated Results:
Type of Process:

3) Instrument Details

Instrument supply voltage:

- 230 V/50 Hz
- 115 V/60 Hz
- O Other: _____ V/ ____ Hz
- 1-Phase
- O 2-Phase

Purge air fan (if required):

- 115/230 V | 50/60 Hz
- 3-Phase 230/400 @50 Hz, 245/430@60 Hz
- Other: _____ V/ _____ Hz
- 1-Phase
- O 3-Phase





4) Location

Distance between sampling point and analyzer: _____ m Requested length of Sample Probe: _____ m Location of analyzer:

- Indoor
- \bigcirc Outdoor

5) Measured Components

- \bigcirc Dust concentration
 - ✤ Measuring range of 0 to _____ mg/m3
 - ✤ Max emission value of _____ mg/m3 acc. to regulations
- O Opacity
 - ✤ Measuring range of 0 to _____ % opacity

6) Measured Gas

- \bigcirc Gas velocity
 - Measuring range of 0 to _____ m/s
- \bigcirc Temperature sensor required
- \bigcirc Pressure sensor for calculation of standard flow Nm3/h required

Delta Transducer

- \bigcirc Mounted on probe
- \bigcirc Hose connection
 - Counter Support
 - O Yes
 - \bigcirc NO

7) Plant Conditions

Type of filters installed upstream of the sample point

- Electrostatic precipitator ESP
- O Bag house
- Wet scrubber
- O Other: _____

Area Classification

○ Non-Ex

 O
 Zone: _____ Class: ____ Division: _____

Occurrences of temperatures below dew point

- None
- O Weekly
- O Daily



8) Standard Plant Conditions

	Min	Avg	Max	Unit	
Ambient temperature				С	
Stack gas temperature				С	
Stack gas pressure				hPa	Mm H2O
Water in stack gas				Vol.%	g/m3
Water dew point				C	
Acid dew point				C	
Stack gas velocity				m/s	
Stack gas volume				m3/h	Nm3/h
Stack gas quantity				mg/m3	ppm
Standard gas density				mg/m3	ppm
Dust				um	
Particle size				mg/m3	ppm
O2				%	
СО				mg/m3	ppm
NO				mg/m3	ppm
NO2				mg/m3	ppm
SO2				mg/m3	ppm
H2S				mg/m3	ppm
НС				mg/m3	ppm
NH3				mg/m3	ppm
Cl2				mg/m3	ppm
CH4				mg/m3	ppm
CO2				mg/m3	ppm
H2				mg/m3	ppm
03				mg/m3	ppm
Other				mg/m3	ppm

9) Data Reporting O Display O Printer

- O RS232
- 4-20 mA
- O 0-10V

10) Notes\Comments:



