AAVOS Environmental & Process analysers

Environmental Monitoring Questionnaire (1/5) Process & Environmental

Customer / Project

Company _____ Date _____

Project _____ Phone _____

Plant Type _____ Fax _____

Fuel _____ Email _____

Contact _____ Order No. _____

Description of the Plant

Measured Components

	Measuring range				
Stack gas temperature	_____	°C			
Stack gas pressure	_____	○ hPa	○ mm H_2O		
NO_x	_____	○ ppm	○ mg/m³ NO	○ mg/m³ NO_2	
SO_2	_____	◉ ppm	○ mg/m³		
CO	_____	○ ppm	○ mg/m³		
CO_2	_____	Vol.%			
O_2	_____	Vol.%			
HCl	_____	○ ppm	○ mg/m³		
HF	_____	○ ppm	○ mg/m³		
Hg	_____	○ ppm	○ mg/m³		
NH_3	_____	○ ppm	○ mg/m³		
H_2O	_____	○ Vol.%	○ g/m³		
____	_____	_____			
____	_____	_____			

Additional Information

☐ Dust concentration* Measuring range 0… ____ mg/m³
Max. emission value ____ mg/m³ acc. to authority & regulations

☐ Opacity Measuring range 0… ____ % Opacity

☐ Gas velocity Measuring range 0… ____ m/s

☐ Temperature sensor required ☐ Pressure sensor for calculation of standard flow Nm³/h required

Flow measurement with EM-F 5000:

ΔP transducer ○ mounted on probe ○ hose connection Counter support: ○ yes ○ no

Total mercury* Measuring range 0… ____ µg/m³
Max. emission value ____ µg/m³ acc. to authority & regulations

* Needs reference calibration performed by accredited institute (if required)

AAVOS Environmental & Process analysers

Environmental Monitoring Questionnaire (2/5) Process & Environmental

Plant Details

Type of sample gas: ☐ Flue (stack) gas ☐ Process gas ☐ Other _____

Fuel: ☐ Gas ☐ Oil ☐ Coal ☐ Waste ☐ Other _____

Certification

☐ MCert ☐ GOST ☐ US EPA ☐ EU standard EN15267/14181 ☐ Other _____

Cabinet Details

Voltage ○ 230 V ○ 115 V ○ 400 V

Frequency ○ 50 Hz ○ 60 Hz

Phase ○ 1-phase + N ○ 2-phase + N ○ 3-phase + N ○ Other _____

Extractive gas sampling

Requested length of sample line: _____ m

Location of cabinet: ○ indoor ○ outdoor ○ hazardous area (classification): _____

☐ Cabinet dimensions: _____mm x _____mm x _____mm
☐ Cabinet protection class: IP ____
☐ Cabinet socket: ○ 10 cm ○ 20 cm ○ without
☐ Container needed (_____mm x _____mm x _____mm)
☐ Container existing (_____mm x _____mm x _____mm)
☐ Air condition: ○ wall mounted ○ roof mounted
☐ Heating
☐ Fan
☐ Thermal isolation of walls, roof and the door
☐ Eyebolts for crane transportation

Calibration through: ○ probe ○ analyser

Purge of probe: ○ yes ○ no

Zero calibration: ○ ambient air ○ N_2 – gas cylinder

O_2 Span calibration: ○ ambient air ○ O_2 – gas cylinder

Gas cylinders amount: ○ 1 (mixed gas) ○ _ (separate: _____)

4 – 20 mA outputs: ☐ signal multiplier ☐ corrected value ☐ signal hold (during maintenance) ☐ signal hold (during calibration)

Alarm & Status contacts

	(Normally open / closed)	
☐ System failure analyser	○ NO	○ NC
☐ Maintenance	○ NO	○ NC
☐ Calibration	○ NO	○ NC
☐ Probe alarm	○ NO	○ NC
☐ Hose alarm	○ NO	○ NC
☐ Cooler alarm	○ NO	○ NC
☐ Flow alarm	○ NO	○ NC
☐ Drain alarm	○ NO	○ NC
☐ _____	○ NO	○ NC

AAVOS Environmental & Process analysers

Environmental Monitoring Questionnaire (3/5)

Process & Environmental

Standard Plant Conditions

	min.	avg.	max.			
Ambient temperature	_____	_____	_____	ºC		
Stack gas temperature	_____	_____	_____	ºC		
Stack gas pressure	_____	_____	_____	○ hPa	○ mm H_2O	
Water in stack gas	_____	_____	_____	○ Vol.%	○ g/m^3	
Water dew point	_____	_____	_____	ºC		
Acid dew point	_____	_____	_____	ºC		
Stack gas velocity	_____	_____	_____	○ m^3/h	○ Nm^3/h	
Stack gas volume	_____	_____	_____	○ kg/s	○ kg/h	
Stack gas quantity	_____	_____	_____	○ ppm	○ mg/m^3	
Standard gas density	_____	_____	_____	○ ppm	○ mg/m^3	
Dust	_____	_____	_____	○ ppm	○ mg/m^3	
Particle size	_____	_____	_____	µm		
SO_2	_____	_____	_____	○ ppm	○ mg/m^3	
NO_X	_____	_____	_____	○ ppm	○ mg/m^3	
CO	_____	_____	_____	○ ppm	○ mg/m^3	
CO_2	_____	_____	_____	○ ppm	○ mg/m^3	
O_2	_____	_____	_____	Vol.%		
HF	_____	_____	_____	○ ppm	○ mg/m^3	
Hg	_____	_____	_____	○ ppm	○ mg/m^3	
NH_3	_____	_____	_____	○ ppm	○ mg/m^3	
HCl	_____	_____	_____	○ ppm	○ mg/m^3	

Additional Information

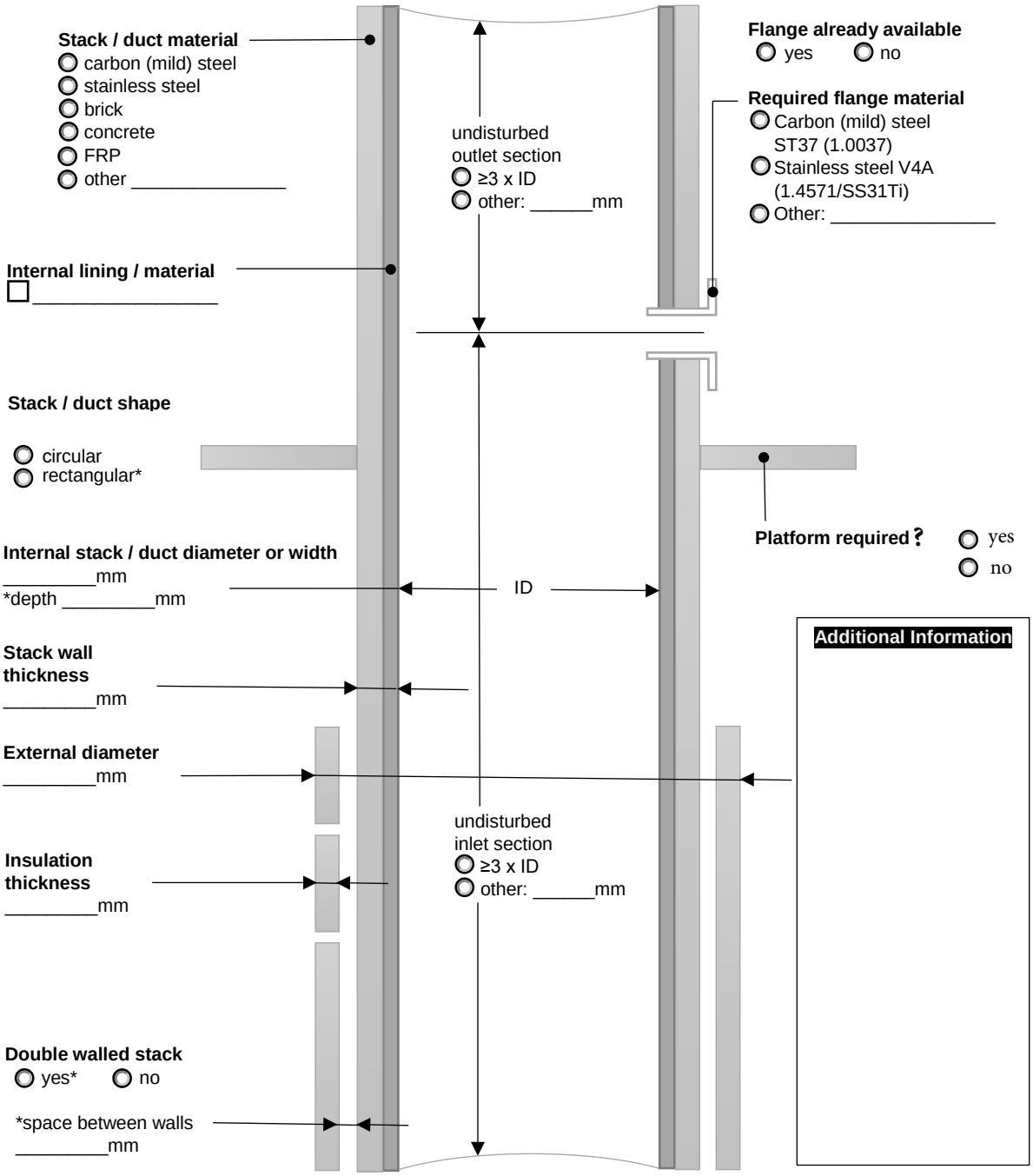
AAVOS Environmental & Process analysers

Environmental Monitoring Questionnaire (4/5) Process & Environmental

Stack / Duct Details

Probe mounting location ☐ indoor ☐ outdoor ☐ hazardous area ☐ Weather protection cover required

Stack / duct orientation ○ horizontal ○ vertical



Formular reset

Cabinet view

