

## Customer data

	Company	Contact partner	Quotation # (Födisch)
Name:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Address:	<input type="text"/>	<input type="text"/>	Project # (customer)
Tel./Mail:	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Project data

Branch:	<input type="text"/>	Qty. measuring points:	<input type="text"/>
Plant:	<input type="text"/>	Qty. measuring systems:	<input type="text"/>
Process:	<input type="text"/>	Legal requirements:	<input type="text"/>
		Process measurement:	<input type="text"/>

Measurement:

<input type="checkbox"/> gas analysis	<input type="checkbox"/> humidity	<input type="checkbox"/> flow	<input type="checkbox"/> temperature after-burning
<input type="checkbox"/> dust	<input type="checkbox"/> soot particle	<input type="checkbox"/> temperature	<input type="checkbox"/> pressure <input type="checkbox"/> DAHS

Intended devices:

## Measuring conditions

Measures gas (flue gas...)

Gas humidity:     dry                       wet (water droplets)

Gas dew point:                       absolute humidity:

relative humidity:                       @ reference temperature:

Gas temperature:    min.:     normal (in operation):     max.:

Ambient temperature sampling point:    min.:     normal:     max.:

Ambient temperature set up place cabinet:    min.:     normal:     max.:

Pressure in the process:    min.:     normal (in operation):     max.:

Gas velocity:    min.:     normal (in operation):     max.:

Measured gas ignitable?:     in process-related composition                       in combination with air

EX endangerment:     sampling point     inside     outside     measuring gas line     analyzer / system

Zone:                       Zone:                       Zone:

## Gas composition

corrosive components:

Aerosols:

### Gas matrix

authority letter present?

CO:  limit value:   measuring range:

NO:  limit value:   measuring range:

NO<sub>2</sub>:  limit value:   measuring range:

NO<sub>x</sub>:  limit value:   measuring range:

SO<sub>2</sub>:  limit value:   measuring range:

HCl:  limit value:   measuring range:

NH<sub>3</sub>:  limit value:   measuring range:

H<sub>2</sub>O:  limit value:   measuring range:

CO<sub>2</sub>:  limit value:   measuring range:

N<sub>2</sub>O:  limit value:   measuring range:

CH<sub>4</sub>:  limit value:   measuring range:

O<sub>2</sub>:  limit value:   measuring range:

TOC:  limit value:   measuring range:

HF:  limit value:   measuring range:

Hg:  limit value:   measuring range:

Dust:  limit value:   measuring range:

Other components:

Remarks:

## Sampling/Set up/signal processing/customer performances

Gas analysis:  in-situ  extractive Dust measurement:  in-situ  extractive

Stack / Channel:  built  planned Channel direction:  vertical  horizontal

Channel geometry: (without Insulation) inner Ø:  outer Ø:  Width:  X Height:

Wall thickness:  Insulation:  double wall?:  yes  no

Material stack/channel:  ST 37  stainless steel  GRP Others:

Material flange:  ST 37  stainless steel Others:

Entry section:  Exit section:

Sampling probe:  existing  necessary Installation place probe:  inside  outside

Installation place height:  Weather protection:  necessary  no

Nozzle/port plan:  present  necessary

Measuring gas line:  present  necessary Length:

Recirculation measuring gas:  no  yes Length:  Counter pressure:

Measuring point switch over:  no  yes Qty.:

Set up place cabinet:  inside  outside  container  weather protected  air-conditioned

Container present:  yes  no Size:  Base:

Cabinet design:  cabinet  wall enclosure  mounting plate

Power supply:  115V AC 1~  230V AC 1~  400V AC 3~  50 Hz  60 Hz  N  PE

Analogue output:  4 - 20 mA Other:

Digital interface:  RS232  RS422  RS485  Ethernet

Bus protocol:  Modbus  Profibus

Signals to the DCS:  yes  no Set up place DAHS:  DCS  Container

Customer performances:

<input type="checkbox"/> Provision / welding in nozzle/ports	<input type="checkbox"/> Power supply
<input type="checkbox"/> Signal exchange DCS	<input type="checkbox"/> Traces laying
<input type="checkbox"/> Scaffolding / crane works	<input type="checkbox"/> Calibration/test gases
<input type="checkbox"/> Wiring / laying measuring gas line	<input type="checkbox"/> Operation gases
<input type="checkbox"/> Instrumental air DIN ISO 8573.1 Class 2	<input type="checkbox"/> DAHS clock signal
<input type="checkbox"/> Calibration / authority performances	<input type="checkbox"/> Internet/telephone connection
	<input type="checkbox"/> Ethernet connection cabinet - DAHS

# Questionnaire Projects

Remarks/  
Agreements:

Date:

Customer:

Project Engineer: