

Dust Monitoring Questionnaire for EXO, S100-, S200-, S300- Series

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Company name: Date:
Person name: RFQ-No.:
Project name: No. of Devices:

End customer name: End customer country:

Industry: Process type:

Specification of measurement position

Hazardous area classification inside the duct: O Non-Ex O Zone: Class: Division: Hazardous area classification ambient: O Non-Ex O Zone: Class: Division:

Measurement certification: O QAL1 EN15267 O Other:

Location: O Indoor O Outdoor O Horizontal duct O Vertical duct

Duct cross section: O Circular O Rectangular

Type of the <u>last</u> filter installed upstream of the measurement point:

O Electrostatic precipitator ESP If Yes, distance to measurement:

Is there a blower between ESP and measurement: O Yes / O No

O Bag house O Wet scrubber O Cyclone Other:

Power and Air supply

Instrument supply voltage: O 24 VDC O 230 VAC/50 Hz O 115 VAC/60 Hz

For EXO required: O 400 V / 3-phase / 50 Hz

Clean, oil free compressed process air available: O Yes / No O

Dust Conditions

Combustion process: O Yes / O No If Yes, what Fuel:

Dust material: Particle size distribution:

Is the dust: O Abrasive O Conductive O Adhesive (sticky)

Ambient- and Process Conditions

	Min.	Nominal	Max.		
Ambient Temperature:				O °C	O °F
Process Temperature:				O °C	O °F
Process Pressure:				O hPa	O mm H₂O
Dust Concentration:				O mg / Nm ³	
Gas velocity:				O m/s	
Any speciality in the gas composition:					

Is there any mist or droplets in the gas: O No O Yes

How often is the temperature below dew point: O Never O Weekly O Daily O Always

Especially for wet applications, please fill below:

	Min.	Nominal	Max.		
Water content in the gas:				O % Vol.	Og/m³
Water dew point:				O °C	O °F
Acid dew point:				O °C	O °F
Volume flow:				O Nm³/ h	O m ³ / h
Mass flow:				O kg / h	

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Stack / Duct Details

