Dust Monitoring Questionnaire
for EXO, EXO Ex, S100-, S200-, S300-series

Revision 25.03.2024

General Information

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: ☐Non-Ex ☐Zone: Class: Division:
Hazardous area classification ambient: ☐Non-Ex ☐Zone: Class: Division:

Measurement certification: ☐QAL1-EN15267 ☐QAL1-EN15859 ☐Other:

Location: ☐Indoor ☐Outdoor ☐Horizontal duct ☐Vertical duct

Duct cross section: ☐Circular ☐Rectangular

Type of the last filter installed upstream of the measurement point:
☐Electrostatic precipitator ESP If Yes, distance to measurement:
Is there a blower between ESP and measurement: ☐Yes / ☐No

☐Bag house ☐Wet scrubber ☐Cyclone Other:

Power and Air/N2 supply

Instrument supply voltage: ☐24 VDC ☐230 VAC/50 Hz ☐115 VAC/60 Hz
For EXO required: ☐400 V / 3-phase / 50 Hz OR EXO Ex required: ☐230 VAC/ 50Hz

Clean, oil free compressed process air available: ☐Yes / No ☐, oil free compressed N2 available: ☐Yes/ ☐No

Dust Conditions

Combustion process: ☐Yes / ☐No If Yes, what Fuel:
Dust material: Particle size distribution:
Is the dust: ☐Abrasive ☐Conductive ☐Adhesive (sticky)

Ambient- and Process Conditions

	Min.	Nominal	Max.		
Ambient Temperature:				☐°C	☐°F
Process Temperature:				☐°C	☐°F
Process Pressure:				☐hPa	☐mm H_2O
Dust Concentration:				☐mg / Nm^3	
Gas velocity:				☐m/s	
Gas composition (required for EXO Ex):					

Is there any mist or droplets in the gas: ☐No ☐Yes
How often is the temperature below dew point: ☐Never ☐Weekly ☐Daily ☐Always
Especially for wet applications, please fill below:

	Min.	Nominal	Max.		
Water content in the gas:				☐% Vol.	☐g / m^3
Water dew point:				☐°C	☐°F
Acid dew point:				☐°C	☐°F
Volume flow:				☐Nm^3/ h	☐m^3/ h
Mass flow:				☐kg / h	

Stack / Duct Details