

Questionnaire for orders or quotations

ENOTEC O₂ and O₂/CO_e analyzer systems

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Please fill out the questionnaire completely to enable the best possible quotation. The process gas composition is especially important.

OXITEC O₂

COMTEC O₂ / CO_e

Date: _____

Contact:

Company: _____	Contact Name: _____
Street: _____	Phone: _____
Postal Code: _____	Fax: _____
City: _____	Email: _____
Country: _____	Website: _____
Branch: _____	Plant type: _____

Type of fuel:

Coal	Natural gas	Biomass
Wood	Waste	Biogas
Light fuel oil	Heavy fuel oil	Other _____

Gas Analysis Technology:

Analyzer design:	Field housing	19" rack module	Cabinet / Container
	Is instrument air available?	Yes No	Pressure _____
	Is compressed air available?	Yes No	Pressure _____
Measuring ranges:	O ₂ measuring range 1	from _____ %	to _____ %
	O ₂ measuring range 2	from _____ %	to _____ %
	CO _e measuring range	from 0 ppm*	to 1000 ppm*
	* Other CO _e measuring ranges on request	from _____ ppm	to _____ ppm

CO_e = Combustibles (CO, C_xH_y, H₂)

Process gas composition:

	Unit	Range		Unit	Range
HCl/Cl ₂	_____	_____	SO ₂ /SO ₃	_____	_____
HF	_____	_____	Heavy Metals	_____	_____
CO	_____	_____	NO	_____	_____
O ₂	_____	_____	H ₂ O	_____	_____
H ₂	_____	_____	Other	_____	_____
Combustibles in flue gas?	Yes _____		No		Unknown
Dust concentration		0-1 g/m ³			>10 g/m ³

Electronics information:

Interface:	ENOTEC Remote HART	MODBUS RTU via Fieldbus	RS232	RS485
Analogue output:	4...20mA	0...20mA (OXITEC only)		
Mounting place:	Outdoor	Indoor	Control cabinet	
Measuring task:	O ₂ reference value Safety monitoring	O ₂ measurement for control Other _____		
Is automatic calibration required?		Yes	No	
Protection class:	_____	Standard: IP 66 (other on request)		
Ambient temp.:	Min. _____ °C	Normal _____ °C	Max. _____ °C	
Voltage [VAC]:	_____	Min. _____	Max. _____	

Plant specific information:

	Unit	Min.	Normal	Max.
Process gas pressure:				
Process gas temperature:				
Process gas flow speed:				
Internal diameter of duct:	_____			
External diameter of duct:	_____			
Distance probe - electronics:	_____			
Probe mounting place: (e.g. before preheater)	_____		Indoor	Outdoor
Probe mounting:	Horizontal		Vertical	Slanted _____ °
Probe counter flange:	Existing, flange type:		_____	New
New installation:	Yes	No		
Replacement for:	_____			
Number of measurements needed:	_____			

Zone hazard classification:

Probe:	Zone 1	Zone 2	(GasEx)
	Zone 21	Zone 22	(DustEx)
	Safe area		
Electronic unit:	Zone 1/21	Zone 2/22	
	Safe area		

Remarks:

With complete and detailed process information, ENOTEC is able to select the best configuration which fits 100% to the customer's application. Plant drawings and/or a detailed plant and process description can help us to recommend the best probe location with an optimal probe length.