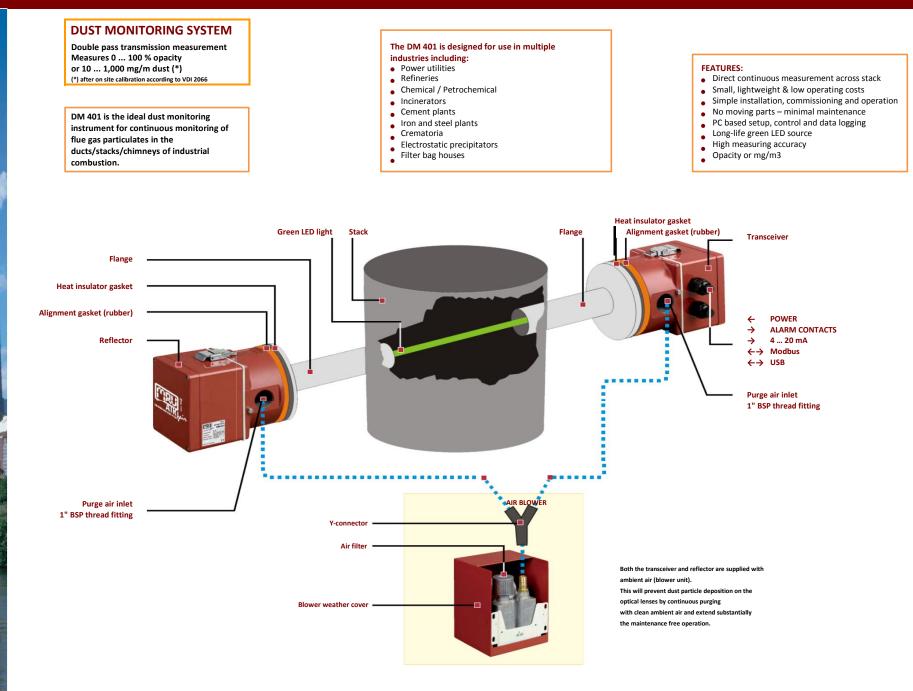


DUST / OPACITY MONITORING SYSTEM



RI

Double pass opacity monitor Continuous in-situ measurement





TECHNICAL SPECIFICATIONS

DATA SUBJECT TO CHANGE WITHOUT NOTICE

Parameter	Units	Min	Max	Comments
Measurement performance				
Path length	m	0.5	12	flange to flange distance
Flange to flange	feet	1.64	39	
Measuring range	%	0	100	user selectable
	mg/m3	10	1,000	after on site calibration
Accuracy	%	-2	+2	
Resolution	%		0.1	display resolution
Damping	S	1	60	selectable
Drift with temperature	%	-2	+2	for every 20°C change
Operation wave length	nm	510	540	green LED

Power and air requirements	Units	Min	Max	Comments
Voltage	VDC	+24	+24	optional 90 240 VAC PSU available
Air supply volume	m3/h	5	60	optimal: 40 m3/h
Air supply pressure	mbar		500	must exceed max stack pressure
	inH2O		200	
Air supply fittings				1" BSP thread fitting

Interface options	Units	Min	Max	Comments
RS 485				Modbus RTU
Analog output	mA	4	20	isolated and scalable
Relay contacts	A	0	3	level alarm and service alarm

Physical	Units	Min	Max	Comments
Protection class		IP65		for outdoor use
Operating temperature	°C	-20	+50	air temperature around equipment
	°F	-4	122	
Gas temperature	°C	100	600	optional insulators required above 300°C
	°F	212	1112	optional insulators required above 572°F

Dimensions	Units	Comments
Transceiver	mm	153 x 122 x 120
	inch	6.02" x 4.8" x 4.72"
Reflector	mm	153 x 122 x 120
	inch	6.02" x 4.8" x 4.72"
Weight	kg	2 kg each
	lbs.	4.4 lbs. each
Enclosure		die cast aluminum

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