

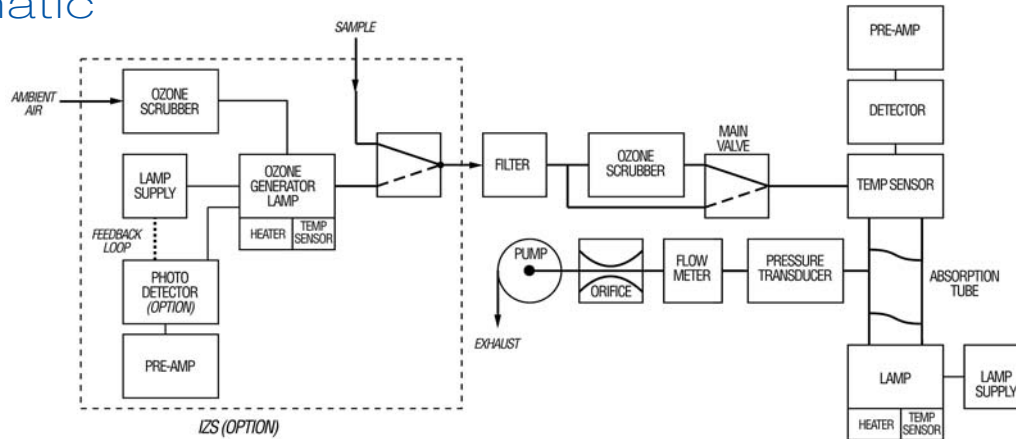


MODEL 400E UV Absorption O₃ Analyzer

Specifications

Ranges:	0-100 ppb to 0-10 ppm, user selectable. Dual ranges and auto-ranging supported	Operating Temperature Range:	5 - 40°C (with EPA Equivalency)
Units:	ppb, ppm, µg/m ³ , mg/m ³	Dimensions (HxWxD):	7" (178 mm) x 17" (432 mm) x 23.5" (597 mm)
Zero Noise:	< 0.3 ppb (RMS)	Weight:	28 lbs (12.7 kg); 30.6 lbs (13.8kg) with IZS
Span Noise:	< 0.5% of reading above 100 ppb (RMS)	Power:	100V - 120V, 220V - 240V, 50/60 Hz, 250W
Lower Detectable Limit (LDL):	< 0.6 ppb (RMS)	Analog Outputs:	10V, 5V, 1V, 100mV, selectable
Zero Drift:	< 1.0 ppb/24 hours, < 1.0 ppb/7 days	Recorder Offset:	±10%
Span Drift:	< 1% of reading/7 days	Serial Outputs:	Serial Port 1: RS-232 (DB-9M) Serial Port 2: standard RS-232 or optional RS-485 (DB-9F), Ethernet
Lag Time:	< 10 seconds	Status (Digital):	8 outputs, 6 inputs (opto-isolated)
Rise and Fall Time:	< 20 seconds to 95%	Current Output:	Optional 4-20mA, select up to three channels
Linearity:	1% of full scale	Approvals:	USEPA EQOA-0992-087 MCERTS certified Sira MC050070/00 EN14625 Approved, CE and others
IZS Specifications (with optional reference feedback):		NOTE: The values expressed above are in accordance with EPA specifications. All error specifications are based on constant conditions.	
Flow Rate	800 cm ³ /min		
Maximum Concentration	1.0 ppm		
Minimum Concentration	0.050 ppm		
Resolution	0.5 ppb		
Repeatability (7 days)	1% of reading		
Initial accuracy	±5% of target		
Sample Flow Rate:	800 cm ³ /min ±10%		

Schematic



How to Order

Model 400E UV Absorption O₃ Analyzer includes:

- Standard two year warranty
- Selectable voltage (specify below)
- Internal pump
- Auto ranging and dual ranges
- 47mm diameter particulate filter
- 8 isolated digital status outputs
- Dual bi-directional RS-232
- APIcom remote control software

Specify input AC voltage & frequency:

- 100V - 115V 50Hz
 220V - 240V 60Hz

Specify output DC voltage:

- 10V 5V 1V 0.1V

Optional Equipment:

- Rack mount brackets (19") with chassis slides
- Rack mount brackets only
- 4-20mA output (specify up to three channels)
- Multi-drop serial interface
- Ethernet port includes 7 ft. CAT-5 cable (disables one serial port)

Calibration Options:

- Valves for selection of customer-supplied zero and span gas
- Internal zero air and span source for calibration check
- Reference adjustment feedback control IZS ozone generator

Accessories:

- RS-232 Cable
- Expendables Kit
- Spare Parts Kit

Specifications subject to change without notice. Printed documents are uncontrolled. SAL000018 A (DCN 5058) M400E/08/08/08.



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