

Model 401 Ozone Calibrator

UV Ozone Calibrator

High accuracy ozone calibrator ensures consistent ozone output for calibrating ozone sensors & ozone monitors. Feedback loop ensures ozone level remains constant throughout the calibration procedure.



Features

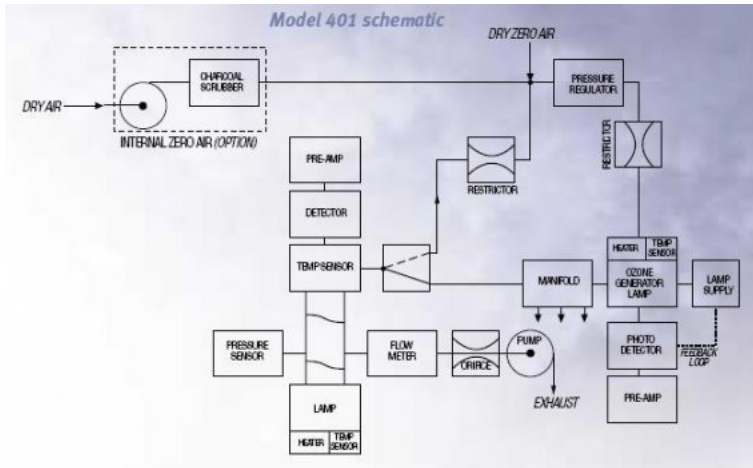
- Can be configured as a Primary or Transfer Standard
- Integrated Ultra-Stable Ozone Generator
- Microprocessor-based with simple, multitasking, menu-driven software
- Analog Outputs, Serial communication with APIcom Windows-based operating software
- Choice of three feedback control modes
- Temperature and Pressure Compensated

Product ID: **API-401**
Lead Time: **4 weeks**

Specifications

Flow Rate (O3 Gen)	2 lpm to 5 lpm (user adjustable)
Ozone Generator Stability	+/- 2.0 ppb
Max. Concentration (O3 Gen)	1.0 ppm @ 5 lpm
Min. Concentration (O3 Gen)	50 ppb @ 2 lpm
Generation Response Time	at 95% of selected value within 20 seconds
O3 Detection Ranges:	0 - 100 ppb to 0 - 10 ppm (user selectable)
Zero Noise	< 0.3 ppb (RMS)
Span Noise	< 0.5% of reading (RMS)
Zero Drift	< 1.0 ppb / 7 days
Span Drift	< 1% / 24 hours, < 2% / 7 days
Power	100V 50/60Hz , 220V 50Hz, 230V 50/60 Hz, 240V 50Hz - 250 watts, 115V/60Hz
Approvals:	CE, others
Outputs (Standard)	Analog: Bi-Polar, 0-1/5/10V/100mV, selectable Serial: RS-232 (standard DB-9) Relays: (3) 250V at 3A, Form C
Outputs (Optional)	Current: 0-20mA or 4-20mA isolated
Dimensions (HxWxD):	7" (178mm) x 17" (432mm) x 24" (609mm)
Weight	60-lbs (27 kg)

Model 401 Flow Schematic



The 401 has a feedback loop which measures the generated stream and adjusts the ozone generator to ensure it is at the desired user setpoint.