

Model 400E Photometric O3 Analyzer

ambient ozone analyzer

High accuracy photometric ozone analyzer. This unit is ideal for laboratory or research applications where accuracy is a necessity.



Features

- 0-100 ppb to 0-10 ppm ranges, user-selectable
- Dual ranges and auto-ranging
- Microprocessor-based with simple, multitasking, menu-driven software
- Test and diagnostic functions with continuous self-check and alarms
- Temperature and pressure compensation, auto-zero adjustment
- Internal data logger with recording intervals from 1 min to 365 day multiple averages for up to 1 mi
- Four analog outputs, two serial ports and APIcom Windows-based operating software

Product ID: **API-400E**

Lead Time: **4 weeks**

Specifications

Reporting Units:	ppm, ppb, mg/m3, micro g/m3 / ug/m3
Zero noise:	less than 0.3 ppb (RMS)
Span noise:	less than 0.5% of reading (RMS) (above 100 ppb)
Lower detectable limit (LDL):	less than 0.6 ppb (RMS) (2x noise as per US EPA)
Zero drift:	less than 1 ppb/24 hours, less than 1 ppb/7 days
Span drift:	less than 1% reading/7 days
Lag time:	less than 10 seconds
Rise and fall time:	less than 20 seconds to 95%
Linearity:	1% full scale
Precision:	0.5% of reading above 50 ppb
Pneumatics:	Internal diaphragm-type pump 800 cm3/min +/- 10% 47 mm diameter particulate filter, front-panel accessible
Operating Range:	5-40 °C (with EPA equivalency)
Dimensions (HxWxD):	7" (178 mm) x 17" (432 mm) x 23.5" (597 mm)

400E Internals



See the inside of the 400E Ozone Analyzer. State of the art design ensures optimum accuracy & repeatability.