

The Model T400 UV Absorption O₃ Analyzer



Using the proven UV Absorption measurement principle, the Model T400 provides stable measurements of $\rm O_3$ in ambient air.

— With NumaView™ premium T Series software —

- Large, vivid, and durable color touchscreen display
- All other T Series instrument platform features
- Lifetime technical support by phone and email
- Standard two-year warranty





T400 Specifications

Ranges	Min: 0 - 100 ppb Full scale Max: 0 - 10,000 ppb Full scale (selectable, dual-range supported)
Measurement Units	ppb, ppm, μg/m³, mg/m³ (selectable)
Zero Noise	< 0.2 ppb (RMS)*
Span Noise	< 0.5% of reading (RMS) above 100 ppb
Lower Detectable Limit	< 0.4 ppb*
Zero Drift	< 1.0 ppb/24 hours
Span Drift	< 1% of reading/24 hours
Response Time	< 30 seconds to 95%
Linearity	1% of full scale
Precision	0.5% of reading above 100 ppb
Sample Flow Rate	800 cc/min ±10%
IZS Specifications (optional)	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
Power Requirements	100V-120V, 220V-240V, 50/60 Hz
Analog Output Ranges	10V, 5V, 1V, 0.1V (selectable)
Recorder Offset	±10%
Included I/O	1 x Ethernet: 10/100Base-T 2 x RS232 (300-115,200 baud) 2 x USB device ports 8 x opto-isolated digital outputs 6 x opto-isolated digital inputs 4 x analog outputs
Optional I/O	1 x USB com port 1 x RS485 4 x digital alarm outputs Multidrop RS232 3 x 4 - 20mA current outputs
Operating Temperature Range	5 - 40°C (with EPA Approval)
Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
Weight	28 lbs (12.7 kg) / 30.6 lbs (13.8 kg) with IZS
Certifications	US EPA EQOA-0992-087 EU: EN14625 TÜV Rheinland QAL1 Certified: EN15267 MCERTS: Sira MC 050070/09 CNEMC: 质(认)字 No. 2018-209 Report

^{*} with 80 Sample Digital Filter

Specifications subject to change without notice. All specifications are based on constant conditions.



For more information about the Teledyne API family of monitoring instrumentation products, call us or visit our website at:



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