



The Model T400 UV Absorption O₃ Analyzer



Using the proven UV Absorption measurement principle, the Model T400 provides stable measurements of O₃ in ambient air.

— Available 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 ppm Full scale (selectable, dual-range supported)
■ Measurement Units	ppb, ppm, $\mu\text{g}/\text{m}^3$, mg/m^3 (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
■ Lag Time	< 10 seconds
■ Rise/Fall Time	< 20 seconds to 95%
■ Linearity	1% of full scale
■ Precision	<0.5% of reading above 100 ppb
■ Sample Flow Rate	800 cc/min \pm 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: \pm 5% of target
■ Power Requirements	100V-120V, 220V-240V, 50/60 Hz
■ Analog Output Ranges	10V, 5V, 1V, 0.1V (selectable)
■ Recorder Offset	\pm 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 8 x analog inputs (0-10V, 12-bit) 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 MC050070/08 CNEMC: 质(认)字 No. 2015-028 Report

* with 80 Sample Digital Filter

** All certifications apply for legacy or NumaView™ T Series analyzer software

NumaView™ software is available as a no-charge option that must be specified at the time of purchase.

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



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