



The Model T703U Trace-Level Photometric O₃ Calibrator



The Model T703U Photometric O₃ Calibrator is designed to meet the requirements for low level ozone calibrations and audits, which requires stable, repeatable ozone generation at levels far below the capability of standard ozone calibrators.

— 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

Model T703U Specifications

System	■ Linearity	± 1% of full scale
	■ Precision	1.0 ppb
	■ Response Time	< 240 seconds to 95%
	■ Stability (7 days)	< 1% with photometer feedback < 3% without photometer feedback (CNST or REF)
Ozone Generator Module	■ Flow Rate (with internal zero air source)	1 to 5 LPM adjustable
	■ Flow Rate (with external zero air source)	1 to 15 LPM adjustable
	■ Maximum Output	5 ppm LPM
	■ Minimum Output	15 ppb LPM
	■ Maximum Concentration	5 ppm at 1 LPM
	■ Minimum Concentration	3 ppb at 5 LPM
	■ Response Time	< 240 seconds to 98%
UV Photometer	■ Range	0 - 100 ppb to 0 - 10 ppm (selectable)
	■ Precision	1.0 ppb
	■ Linearity	± 1% of full scale
	■ Rise/Fall Time	< 20 seconds to 95% (photometer response)
	■ Response Time	< 180 seconds to 95% (system response)
	■ Zero Drift	< 1.0 ppb/7 days
	■ Span Drift	< 1%/24 hours
	■ Lag Time	< 10 seconds
	■ Flow Rate	800 cc/min ±10%
Electrical Specifications	■ Power Requirements	100V-120V, 220V-240V, 50/60 Hz
	■ Analog Output Ranges (Test Channel)	10V, 5V, 1V, 0.1V (selectable)
Communications Specifications	■ Included I/O	1 x Ethernet: 10/100Base-T 2 x RS232 (300-115,200 baud) 2 x USB device ports 12 x digital control outputs 12 x digital control inputs 8 x digital status outputs
	■ Optional I/O	1 x USB com port 1 x RS485 Multidrop RS232
Physical Specifications	■ Operating Temperature Range	5 - 40°C
	■ Dimensions (H x W x D)	7" x 17" x 24" (178 x 432 x 609 mm)
	■ Weight	35.5 lbs (16.1 kg) with internal zero air pump

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



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