The Model T703U
Trace-Level Photometric O_3 Calibrator

The Model T703U Photometric O_3 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

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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 - 40ºC
	■ 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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