



The Model T753U Portable Trace-Level O₃ Calibrator



The Model T753U portable 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. The Model T753U provides a proven minimum ozone concentration of 2 ppb with exceptional accuracy and stability.

— With NumaView™ premium T Series software —

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

Model T753U Specifications

System	■ Linearity	± 1% of full scale
	■ Precision	1.0 ppb
	■ Response Time	< 240 seconds to 95%
	■ Stability (7 days)	< 1%
Ozone Generator Module	■ Flow Rate (with internal zero air source)	2 to 5 LPM adjustable
	■ Flow Rate (with external zero air source)	2 to 15 LPM adjustable
	■ Maximum Output	2.5 ppm LPM
	■ Minimum Output	10 ppb LPM
	■ Minimum Ozone Concentration	2 ppb
	■ Response Time	< 240 seconds to 98%
UV Photometer	■ Range	0 ppm to 10 ppm
	■ 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: 10/100 Base-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)	9" x 17" x 21" (229 x 432 x 533 mm)
	■ Weight	41.5 lbs (18.8 kg) with internal zero air option 38.5 lbs (17.5 kg) without internal zero air option

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