



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	■ Flow Rate (with internal zero air source)	2 to 5 LPM adjustable
	■ Flow Rate (with external zero air source)	2 to 15 LPM adjustable
	■ Linearity	± 1% of full scale
	■ Precision	1.0 ppb
	■ Response Time	< 240 seconds to 95%
	■ Span Drift (7 days)	< 1% with photometer feedback < 3% without photometer feedback (CNST)
Ozone Generator Module	■ Maximum Ozone Concentration	1250 ppb at 2 LPM
	■ Minimum Ozone Concentration	2 ppb at 5 LPM
	■ Response Time	< 180 seconds to 98%
UV Photometer	■ Range	0 - 100 ppb to 0 - 10 ppm
	■ Rise/Fall Time	< 20 seconds to 95% (photometer response)
	■ Flow Rate	800 cc/min ±10%
	■ Zero Drift	< 0.5 ppb/24 hours
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.



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

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