



## The Model T750 Portable Gas Calibrator



A portable, microprocessor based calibrator for precision gas analyzers, the Model T750 combines highly accurate mass flow controllers and compressed sources of standard gases to provide multipoint span and zero calibrations. UV ozone generator, photometer, and gas phase titration (GPT) chamber options are also available for the T750 for stable and accurate O<sub>3</sub> and NO<sub>2</sub> production.

— 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

# T750 Specifications

Dilution System	■ Flow Measurement Accuracy	± 1% of full scale
	■ Repeatability of Flow Control	± 0.2% of full scale
	■ Linearity of Flow Measurements	± 0.5% of full scale
	■ Flow Range of Dilution Air	0 - 10 SLPM
	■ Optional Ranges	0 - 20 SLPM, 0 - 5 SLPM
	■ Flow Range of Cylinder Gases*	0 - 100 cc/min
	■ Optional Ranges	0 - 50 cc/min, 0 - 200 cc/min (others available)
	■ Zero Air Requirements	10 SLPM @ 30 psi
	■ Optional Ranges	20 SLPM @ 30 psi
	■ Input Pressure	20 - 40 psig
	■ Calibration Gas Input Port	1
■ Diluent Gas Input Port	1	
Ozone Generator Module Option	■ Maximum Output	5.5 ppm LPM
	■ Minimum Output	100 ppb LPM
	■ Response Time	180 seconds to 98%
UV Photometer Option	■ Range	0 - 100 ppb to 0 - 10 ppm (selectable)
	■ Precision	1.0 ppb
	■ Linearity	1.0% of reading
	■ Rise/Fall Time	< 20 seconds (photometer response)
	■ Response Time	180 seconds to 95% (system response)
	■ Zero Drift	< 1.0 ppb/24 hours
Electrical Specifications	■ Power Requirements	85V-264V, 47Hz-63Hz
	■ Analog Output Ranges	10V, 5V, 1V, 0.1V (selectable)
Communication 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)	9" x 17" x 21" (229 x 432 x 533 mm)
	■ Weight	37 lbs (16.78 kg) 46.6 lbs (21.14 kg) with photometer, GPT, and O <sub>3</sub> generator

\* Can select 3rd MFC option for wider dynamic range

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



**TELEDYNE API**  
Everywhere you look™

9970 Carroll Canyon Road ■ San Diego, CA 92131  
Ph. 858-657-9800 Fax 858-657-9816  
Email [api-sales@teledyne.com](mailto:api-sales@teledyne.com)

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

[www.teledyne-api.com](http://www.teledyne-api.com)

© 2017 Teledyne API  
Printed documents are uncontrolled. SAL000085H (DCN 7432) 01.13.17

