

Model T750U Trace Level Portable Gas Calibrator



A portable, microprocessor based calibrator for precision gas analyzers, the Model T750U combines highly accurate mass flow controllers and compressed sources of standard gases to provide multipoint span and zero calibrations. The T750U includes two operating modes: a high range with similar performance to the Model T750 instrument with ozone generator, and a low range which includes a "fractional mode" for producing accurate and stable O₃ and NO₂ levels down to 3 ppb.

— 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

T750U 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 - 5 SLPM, 0 - 20 SLPM (others available)
	■ Flow Range of Cylinder Gases*	0 - 200 cc/min
	■ Optional Ranges	0 - 50 cc/min, 0 - 100 cc/min (others available)
	■ Zero Air Requirements	10 SLPM @ 30 psi
	■ Optional Ranges	20 SLPM @ 30 psi
	■ Input Pressure	20 - 40 psig required
■ Calibration Gas Input Port	1 (configurable)	
■ Diluent Gas Input Port	1	
NO ₂ Generation (GPT modes)	■ Minimum Output	20 ppb LPM
	■ Minimum Concentration	3 ppb
	■ Precision	±2% (with GPTPS)
Ozone Generator Module	■ Maximum Output	4.5 ppm LPM
	■ Minimum Output	20 ppb LPM
	■ Minimum Ozone Concentration	3 ppb
	■ 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)
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)	9" x 17" x 21" (229 x 432 x 533 mm)
	■ Weight	46.6 lbs (21.14 kg)

* Can select 3rd MFC option for wider dynamic range

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