The Model T700U Trace-Level Dynamic Dilution Calibrator

The Model T700U is ideal for the calibration of standard and trace-level gas analyzers. The T700U includes two operating modes: a high range with similar performance to the Model T700 instrument with ozone generator, and a low range which includes a "fractional mode" for producing accurate and stable O_3 and NO_2 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

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T700U 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 Ports	4 (configurable)
	Diluent Gas Input Ports	1
NO_2 Generation (GPT modes)	Minimum Output	20 ppb LPM
	Minimum Concentration	3 ppb
	Precision	± 2% (with GPTPS)
Ozone Generator Module	Maximum Output	6 ppm LPM
	Minimum Output	20 ppb LPM
	Minimum Ozone Concentration	3 ppb
	Response Time	180 seconds to 98%
	Optical Feedback	Standard
UV Photometer Option	Range	100 ppb to 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	Power Requirements	85V-264V, 47Hz-63Hz
	Analog Output Ranges (Test Channel)	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 - 40ºC
	Dimensions (HxWxD)	7" x 17" x 24" (178 x 432 x 609 mm)
	Weight	31 lbs (14.06 kg); 39.2 lbs (17.78 kg) with photometer, GPT, and O_3 generator

* Can select 3rd MFC option for wider dynamic range

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

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