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 O₃ and NO₂ levels down to 3 ppb.

— 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
## 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

### NO₂ 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 O₃ generator

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* Can select 3rd MFC option for wider dynamic range

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