



# The Model T703U Trace-Level Photometric O<sub>3</sub> Calibrator



The Model T703U Photometric O<sub>3</sub> 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.

— 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

## T703U Specifications

|                               |   |   |
|-------------------------------|---|---|
| System                        | ■ Linearity                                 | ± 1% of full scale  |
|                               | ■ Precision                                 | 1.0 ppb   |
|                               | ■ Response Time                             | < 240 seconds to 95%  |
|                               | ■ Stability (7 days)                        | < 1% with photometer feedback<br>< 3% without photometer feedback (CNST or REF)   |
| Ozone Generator Module        | ■ Flow Rate (with internal zero air source) | 1 to 5 LPM adjustable   |
|                               | ■ Flow Rate (with external zero air source) | 1 to 15 LPM adjustable  |
|                               | ■ Maximum Output                            | 5 ppm LPM   |
|                               | ■ Minimum Output                            | 15 ppb LPM  |
|                               | ■ Maximum Concentration                     | 5 ppm at 1 LPM  |
|                               | ■ Minimum Concentration                     | 3 ppb at 5 LPM  |
|                               | ■ Response Time                             | < 240 seconds to 98%  |
| UV Photometer                 | ■ Range                                     | 0 - 100 ppb to 0 - 10 ppm (selectable)  |
|                               | ■ Precision                                 | 1.0 ppb   |
|                               | ■ Linearity                                 | ± 1% of full scale  |
|                               | ■ Rise/Fall Time                            | < 20 seconds to 95% (photometer response)   |
|                               | ■ Response Time                             | < 180 seconds to 95% (system response)  |
|                               | ■ Zero Drift                                | < 1.0 ppb/7 days  |
|                               | ■ Span Drift                                | < 1%/24 hours   |
|                               | ■ Lag Time                                  | < 10 seconds  |
|                               | ■ Flow Rate                                 | 800 cc/min ±10%   |
| 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: 10/100Base-T<br>2 x RS232 (300-115,200 baud)<br>2 x USB device ports<br>12 x digital control outputs<br>12 x digital control inputs<br>8 x digital status outputs |
|                               | ■ Optional I/O                              | 1 x USB com port<br>1 x RS485<br>Multidrop RS232  |
| Physical Specifications       | ■ Operating Temperature Range               | 5 - 40°C  |
|                               | ■ Dimensions (H x W x D)                    | 7" x 17" x 24" (178 x 432 x 609 mm)   |
|                               | ■ Weight                                    | 35.5 lbs (16.1 kg) with internal zero air pump  |

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



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