



# The Model T100 UV Fluorescence SO<sub>2</sub> Analyzer



The Model T100 SO<sub>2</sub> analyzer uses the proven UV fluorescence principle and advanced electronics to allow accurate, dependable, continuous measurements for ambient air quality, stack gas monitoring and other applications.

— 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



# T100 Specifications

|                               |   |
|-------------------------------|---|
| ■ Ranges                      | Min: 0 - 50 ppb full scale<br>Max: 0 - 20,000 ppb full scale (selectable, dual-range supported)   |
| ■ Measurement Units           | ppb, ppm, µg/m <sup>3</sup> , mg/m <sup>3</sup> (selectable)  |
| ■ Zero Noise                  | < 0.2 ppb (RMS)   |
| ■ Span Noise                  | < 0.5% of reading (RMS) above 50 ppb  |
| ■ Lower Detectable Limit      | 0.4 ppb   |
| ■ Zero Drift                  | < 0.5 ppb/24 hours  |
| ■ Span Drift                  | < 0.5% of full scale/24 hours   |
| ■ Lag Time                    | 20 seconds  |
| ■ Rise/Fall Time              | < 100 seconds to 95%  |
| ■ Linearity                   | 1% of full scale  |
| ■ Precision                   | 0.5% of reading above 50 ppb  |
| ■ Sample Flow Rate            | 650 cc/min ±10%   |
| ■ Power Requirements          | 100V-120V, 220V-240V, 50/60 Hz  |
| ■ Analog Output Ranges        | 10V, 5V, 1V, 0.1V (selectable)  |
| ■ Recorder Offset             | ±10%  |
| ■ Included I/O                | 1 x Ethernet: 10/100Base-T<br>2 x RS232 (300-115,200 baud)<br>2 x USB device ports<br>8 x opto-isolated digital outputs<br>6 x opto-isolated digital inputs<br>4 x analog outputs |
| ■ Optional I/O                | 1 x USB com port<br>1 x RS485<br>8 x analog inputs (0-10V, 12-bit)<br>4 x digital alarm outputs<br>Multidrop RS232<br>3 x 4 - 20mA current outputs                                |
| ■ Operating Temperature Range | 5 - 40°C (with US EPA Approval)   |
| ■ Dimensions (HxWxD)          | 7" x 17" x 23.5" (178 x 432 x 597 mm)   |
| ■ Weight                      | 35.7 lbs (16.2 kg)  |
| ■ Certification               | US EPA: EQSA-0495-100<br>EU: EN14212 TÜV Rheinland<br>QAL1 Certified: EN15267<br>MCerts: Sira MC0500067/07<br>CNEMC: 质(认)字 No. 2015-028 Report                                    |

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



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

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