



# The Model T100H High Range UV Fluorescence SO<sub>2</sub> Analyzer



The Model T100H High Range UV Fluorescence SO<sub>2</sub> analyzer uses the proven UV fluorescence principle and advanced electronics to allow accurate, dependable, continuous measurements for high concentration stack gas monitoring and other applications.

— 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
- Optional internal O<sub>2</sub> or CO<sub>2</sub> sensor

# T100H Specifications

■ Ranges	Min: 0 - 10 ppm full scale Max: 0 - 5,000 ppm full scale (selectable with dual range supported)
■ Measurement Units	ppm, mg/m <sup>3</sup> (selectable)
■ Zero Noise	0.1 ppm (RMS)
■ Span Noise	< 1% of reading (RMS) above 10 ppm
■ Lower Detectable Limit	0.2 ppm
■ Zero Drift	< 1 ppm/24 hours
■ Span Drift	< 0.5% of full scale/24 hours
■ Lag Time	5 seconds
■ Rise/Fall Time	< 30 seconds to 95%
■ Linearity	1% of full scale
■ Precision	0.5% of reading above 10 ppm
■ Sample Flow Rate	700 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 2 x RS232 (300-115,200 baud) 2 x USB device ports 8 x opto-isolated digital outputs 6 x opto-isolated digital inputs 4 x analog outputs
■ Optional I/O	1 x USB com port 1 x RS485 8 x analog inputs (0-10V, 12-bit) 4 x digital alarm outputs Multidrop RS232 3 x 4-20mA current outputs
■ Operating Temperature Range	5 - 40°C
■ Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
■ Weight	Analyzer: 31 lbs (16 kg) External pump: 15 lbs (7 kg)

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