

# The Model T102 UV Fluorescence TRS Analyzer



The Model T102 TRS analyzer uses the proven UV fluorescence principle to measure Total Reduced Sulfur at levels commonly required for ambient air monitoring.

— *With NumaView™ premium T Series software* —

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- 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

# T102 Specifications

■ Ranges	TRS SO <sub>2</sub>	Min: 0-50 ppb full scale Max: 0-10,000 ppb full scale Up to 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
■ Response Time		< 140 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 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 4 x digital alarm outputs Multidrop RS232 3 x 4 - 20mA current outputs
■ Operating Temperature Range		5 - 40°C (with US EPA Approval) 850°C (external converter)
■ Dimensions (HxWxD)		Analyzer: 7" x 17" x 23.5" (178 x 432 x 597 mm) Converter: 7" x 17" x 23.5" (178 x 432 x 597 mm)
■ Weight		Analyzer: 37 lbs (16.8 kg) Converter: 20 lbs (9.1 kg)

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