



The Model T108U Trace-Level Total Sulfur Analyzer



The Model T108U Total Sulfur analyzer is designed to measure ultra-low levels of mixed sulfur impurities, collectively referred to as Total Sulfides, in air or carbon dioxide gas. The model T108U consists of a modified Model T100U SO₂ analyzer with special software and a Model T100U SO₂ analyzer with special software and a Model 501TS high temperature thermal oxidizer.

— Available 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

T108U Specifications

■ Ranges	Min: 0-5 ppb full scale Max: 0-20,000 ppb full scale (selectable, dual range supported)
■ Measurement Units	ppb, ppm, $\mu\text{g}/\text{m}^3$, mg/m^3 (selectable)
■ Zero Noise	50 ppt (RMS)
■ Span Noise	0.5% of reading (RMS) above 5 ppb
■ Lower Detectable Limit	100 ppt
■ Zero Drift	< 0.2 ppb/24 hours
■ Span Drift	< 0.5% of full scale/24 hours
■ Lag Time	30 seconds
■ Rise/Fall Time	< 140 seconds to 95%
■ Linearity	1% of full scale
■ Precision	0.5% of reading
■ Sample Flow Rate	650 cc/min \pm 10%
■ Power Requirements	100V-120V, 220V-240V, 50/60 Hz
■ Analog Output Ranges	10V, 5V, 1V, 0.1V (selectable)
■ Recorder Offset	\pm 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 (with US EPA Equivalency)
■ Dimensions (HxWxD)	Analyzer 7" x 17" x 23.5" (178 x 432 x 597 mm) Converter: 7" x 17" x 22" (178 x 432 x 559)
■ Weight	Analyzer: 45 lbs (20.5 kg) Converter: 24 lbs (10.8 kg)

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

NumaView™ software is available as a no-charge option that must be specified at the time of purchase.



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For more information about the Teledyne API family of monitoring instrumentation products, call us or visit our website at:

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