

## The Model T108 Total Sulfur Analyzer



The Model T108 Total Sulfur analyzer is designed to measure mixed sulfur impurities, collectively referred to as Total Sulfides, in air or carbon dioxide gas. The model T108 consists of a modified Model T100 SO<sub>2</sub> analyzer with special software and a Model 501TS SO<sub>2</sub> high temperature thermal oxidizer.

— With NumaView™ premium T Series software —

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- 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

# T108

## T108 Specifications

■ Ranges	Min: 0-50 ppb full scale 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
■ Response Time	< 120 seconds to 95%
■ Linearity	1% of full scale
■ Precision	0.5% of reading
■ 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
■ 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: 45 lbs (20.5 kg) Converter: 20 lbs (9.1 kg)
■ Certifications	US EPA: EQSA-0495-100

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