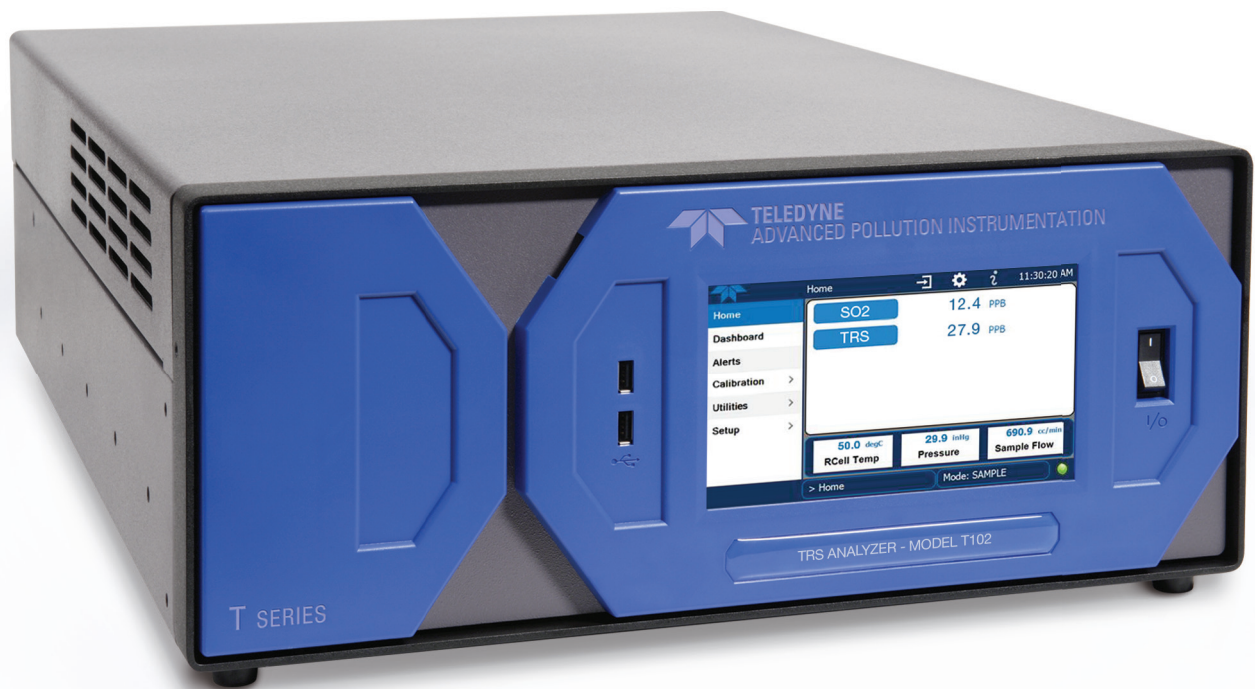# The Model T102
UV Fluorescence TRS Analyzer

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

— Available 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

TELEDYNE API
Everywhere**you**look™

T102 Specifications

■ Ranges	TRS	Min: 0 - 50 ppb full scale
		Max 0-10 ppm full scale
	SO₂	Up to 0-20 ppm full scale (selectable, independent and dual range supported)
■ Measurement Units		ppb, ppm, µg/m^3, mg/m^3 (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		< 20 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: 10/100 Base-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 - 40ºC (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
■ Weight		Analyzer 37 lbs (16.8 kg) Converter: 16 lbs (7.3kg) Converter: 26 lbs (11.8kg) CE version

* All certifications apply for legacy or NumaView™ T Series analyzer software

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

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