The Model T100H
High Range UV Fluorescence SO_2 Analyzer

The Model T100H High Range UV Fluorescence SO_2 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_2 or CO_2 sensor

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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^3 (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 - 40ºC
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.

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

www.teledyne-api.com

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QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001