The Model T100U
Trace-Level UV Fluorescence SO_2 Analyzer

The Model T100U analyzer achieves low level SO_2 measurements using the proven UV fluorescence principle and advanced electronics. The T100U combines high sensitivity with a wide dynamic measurement range, making it ideal for ambient air quality and other low-level 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

TELEDYNE API
Everywhereyoulook™

T100U Specifications

Ranges	Min: 0-5 ppb full scale Max: 0-20,000 ppb full scale (selectable, dual ranges)
Measurement Units	ppb, ppm, µg/m^3, mg/m^3 (selectable)
Zero Noise	25 ppt (RMS)
Span Noise	0.5% of reading (RMS) above 5 ppb
Lower Detectable Limit	< 50 ppt
Zero Drift	< 0.2 ppb/24 hours
Span Drift	< 0.5% of full scale/24 hours
Response Time	< 170 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 - 40ºC (with US EPA Equivalency)
Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
Weight	45 lbs (20.5 kg)
Certifications	US EPA: EQSA-0495-100

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

TELEDYNE API
Everywhereyoulook™

9970 Carroll Canyon Road ▪ San Diego, CA 92131
Ph. 858-657-9800 Fax 858-657-9816
Email api-sales@teledyne.com

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

www.teledyne-api.com

Printed documents are uncontrolled. SAL000041G
(DCN 8120) 07.29.19