The Model T500U CAPS NO_2 Analyzer

The Model T500U NO_2 analyzer is a significant advancement in the direct measurement of NO_2 using a Cavity Attenuated Phase Shift (CAPS) spectroscopy technique to provide highly accurate, real-time, continuous, and direct readings. The T500U offers a cost effective and low maintenance instrument package ideal for ambient and roadside monitoring.

— 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

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T500U Specifications

Ranges	Min: 0 - 5 ppb NO_2 Max: 0 - 1,000 ppb NO_2
Measurement Units	ppb, ppm, µg/m^3, mg/m^3 (selectable)
Zero Noise	< 20 ppt (RMS)
Span Noise	< 0.1% of reading (RMS) + 20 ppt
Lower Detectable Limit	< 40 ppt
Zero Drift	< 0.1 ppb / 24 hours
Span Drift	< 0.5% of reading / 24 hours
Response Time	< 40 seconds to 95%
Linearity	1% of full scale
Precision	0.5% of reading above 5 ppb
Sample Flow Rate	900 cc/min ±10%
Power Requirements	100-250VAC (50-60Hz), Typical power 80W
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 (with US EPA Approval)
Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
Weight	33 lbs (15kg)
Certifications	US EPA: Federal Equivalent Method (EQNA-0514-212) EU: EN14211 TÜV Rheinland QAL1 Certified: EN15267 MCERTS: Sira MC 160304/01

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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ISO 9001:2015 CERTIFICATION™
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