



# The Model T200U NO<sub>y</sub> Trace-Level Chemiluminescence NO/NO<sub>y</sub> Analyzer



The Model T200U NO<sub>y</sub> analyzer has been developed and refined specifically to address the challenges of NO<sub>y</sub> monitoring, for example in the US NCore network. It uses the proven Chemiluminescence principle and is coupled with a remote NO<sub>y</sub> converter via umbilical to allow measurements with a lower detectable limit of 50 ppt.

— With NumaView™ premium T Series software —

- 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

# T200U NO<sub>y</sub> Specifications

■ Ranges	Min: 0 - 5 ppb full scale Max: 0 - 2,000 ppb full scale (selectable, independent NO, NO <sub>2</sub> , NO <sub>y</sub> ranges)
■ Measurement Units	ppb, µg/m <sup>3</sup> (selectable)
■ Zero Noise	< 25 ppt (RMS)
■ Span Noise	< 0.5% of reading (RMS) above 5 ppb
■ Lower Detectable Limit	50 ppt
■ Zero Drift	< 0.1 ppb/24 hours
■ Span Drift	< 0.5% of reading/24 hours
■ Lag Time	20 seconds
■ Rise/Fall Time	< 50 seconds to 95%
■ Linearity	1% of full scale
■ Precision	0.5% of reading above 5 ppb
■ Sample Flow Rate	1800 cc/min ±200cc/min (NO & NO <sub>y</sub> )
■ 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 - 40°C
■ Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
■ Weight	Analyzer: 40 lbs (18 kg) Converter: 15 lbs (6.8 kg) External pump: 21 lbs (9.5 kg) Flow Module: 28 lbs (12.7 kg)

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



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[www.teledyne-api.com](http://www.teledyne-api.com)

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