

The Model T200P Photolytic NO/NO₂/NO_x Analyzer



The Model T200P provides measurements of NO, NO_x and NO₂ using our T200 Chemiluminescence analyzer combined with a patented high efficiency Blue Light Converter (BLC), also known as photolytic converter. The BLC provides a very specific conversion of NO₂ with conversion efficiency similar to molybdenum but without the same interferences.* The T200P is ideal for ambient and roadside monitoring.

— 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

T200P Specifications

■ Ranges	Min: 0 - 50 ppb full scale for NO and NO ₂ Max: 0 - 4,000 ppb full scale for NO ₂ ; 0-20,000 ppb full scale for NO (selectable, dual-range supported)
■ Measurement Units	ppb, ppm, µg/m ³ , mg/m ³ (selectable)
■ Zero Noise	< 0.1 ppb (RMS)
■ Span Noise	< 0.2% of reading (RMS) above 50 ppb
■ Lower Detectable Limit	< 0.2 ppb
■ Zero Drift	< 0.5 ppb/24 hours
■ Span Drift	< 0.5% of full scale/24 hours
■ Response Time	< 80 seconds to 95%
■ Linearity	1% of full scale
■ Precision	0.5% of reading above 50 ppb
■ Sample Flow Rate	500 cc/min ±10%
■ Power Requirements	100V-120V, 220V-240V, 50/60 Hz, Typical power 160W
■ 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
■ Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
■ Weight	Analyzer: 40 lbs (18 kg) External pump: 22 lbs (10 kg)
■ Certifications	US EPA: EQNA-1016-241 EU: EN14211 TÜV Rheinland QAL1 Certified: EN15267

*At typical ambient NO₂ concentrations.

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