



The Model T204 NO/NO₂/NO_x/O₃ Analyzer



The Model T204 combines proven Chemiluminescence and UV absorption measurement technologies together to create the world's first US EPA-approved NO / NO₂ / NO_x / O₃ instrument. The Model T204 allows reduced integration and procurement costs while providing a simple, stable, and reliable monitoring solution.

— 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

T204 Specifications

	Nitrogen Oxides (NO _x) Sensor	Ozone (O ₃) Sensor
■ Ranges	Min: 0 - 50 ppb Full scale Max: 0 - 20,000 ppb Full scale (selectable, dual-range supported)	Min: 0 - 50 ppb Full scale Max: 0 - 1,000 ppb Full scale
■ Measurement Units	ppb, ppm, µg/m ³ , mg/m ³ (selectable)	
■ Zero Noise	< 0.2 ppb (RMS)	< 1 ppb (RMS)
■ Span Noise	< 0.5% of reading (RMS) above 50 ppb or 0.2 ppb, whichever is greater	< 0.5% of reading (RMS) above 0.1 ppm
■ Lower Detectable Limit	0.4 ppb	< 2 ppb
■ Zero Drift	< 0.5 ppb / 24 hours	< 1% full scale / 24 hours
■ Span Drift	< 0.5% of full scale / 24 hours	< 1% full scale / 24 hours
■ Lag Time	< 20 seconds	< 10 seconds
■ Rise/Fall Time	< 60 seconds to 95%	< 30 seconds to 95%
■ Linearity	1% of full scale	
■ Precision	0.5% of reading above 50 ppb	0.5% of reading above 100 ppb
■ Sample Flow Rate	500 cc/min ±10%	800 cc/min
■ Power Requirements	100 - 120V, 60 Hz; 220 - 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 8 x opto-isolated digital outputs 2 x RS232 (300-115,200 baud) 6 x opto-isolated digital inputs 2 x USB device ports 4 x analog outputs	
■ Optional I/O	1 x USB com port 4 x digital alarm outputs 1 x RS485 Multidrop RS232 8 x analog inputs (0-10V, 12-bit) 3 x 4-20mA current outputs	
■ Operating Temperature Range	5 - 40°C (with US EPA Approvals)	
■ Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)	
■ Weight	Analyzer: 40 lbs (18 kg) External pump: 15 lbs (7.0 kg)	
■ Certifications	US EPA: EQOA-0514-214 (Ozone) US EPA: RFNA-1194-099 (NO ₂)	

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