

Model 200A Chemiluminescent NO/NO₂/NO_x Analyzer

Specifications

Ranges:	0-50 ppb to 0-20,000 ppb full scale, user selectable Independent NO, NO ₂ , NO _x ranges and autoranging supported
Units:	ppb, ppm, µg/m ³ , mg/m ³
Zero Noise:	<0.2 ppb
Span Noise:	<0.5% of reading (above 50 ppb)
Lower Detectable Limit (LDL):	0.4 ppb
Zero Drift:	<0.5 ppb/24 hours, <1ppb/7 days
Span Drift:	<0.5% reading/24 hours, <1% reading/7 days
Lag Time:	20 seconds
Rise and Fall Time:	<60 seconds to 95%
Linearity:	1% full scale
Precision:	0.5% of reading
Sample Flow Rate:	500cc/min ±10%
Operating Temperature Range:	5 - 40°C (with EPA Equivalency)
Dimensions (HxWxD):	7" (178 mm) x 17" (432 mm) x 23.5" (597 mm)
Weight:	Analyzer 46 lbs (21 kg), Internal Pump 3 lbs (2 kg), External Pump 15 lbs (7 kg)
Power:	100V 50/60 Hz, 115V 60Hz, 220V 50/60Hz, 230V 50Hz, 240V 50Hz 250 Watts (analyzer), 250 Watts (pump)
Approvals:	US EPA, Eignungsgeprüft, CE
Analog Outputs:	10V, 5V, 1V, 100 mV, selectable
Recorder Offset:	±10%
RS-232:	Standard, DB-9 connector
Status (Digital)	12 outputs from optoisolator, included with standard configuration
Current Output:	0-20 mA isolated output, optional

NOTE: The values expressed above are in accordance with EPA definitions. All error specifications are based on constant conditions. Specifications exceed US EPA and Eignungsgeprüft requirements.

How To Order

Model 200A Chemiluminescent Analyzer for NO, NO₂, NO_x Analyzer includes:

- External pump
- Permeation air dryer
- Independent NO, NO₂, NO_x ranges
- Auto ranging
- 37mm or 47mm particulate filter
- 12 isolated digital status outputs
- Bi-directional RS-232

Specify voltage/frequency:

- | | |
|---|------------------------------------|
| <input type="checkbox"/> 100V/50hz | <input type="checkbox"/> 100V/60hz |
| <input type="checkbox"/> 220V/50hz | <input type="checkbox"/> 115V/60hz |
| <input type="checkbox"/> 230V/50hz (CE) | <input type="checkbox"/> 220V/60hz |
| <input type="checkbox"/> 240V/50hz | |

Specify output voltage:

- 10V 5V 1V 100mV
 0-20 mA or 4-20 mA non-isolated

Particulate filter:

- 37mm (standard) 47mm (optional)

Additional Options:

- Rack Mount (19") with chassis slides
- Rack Mount only
- Isolated 0-20mA or 4-20mA output (specify channels)
- Multi-drop RS-232 connection

Calibration Valves:

- Stainless steel valves for selection of customer-supplied zero and span gas
- Internal zero and permeation tube oven for calibration check. Requires perm tube:

Accessories:

- RS-232 Cable
- Expendables Kit
- Spare Parts Kit



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