

Model 200AU

Ultra Sensitivity NO/NO₂/NO_x Analyzer

Specifications

Ranges:	0-5 to 0-2,000 ppb full scale, user selectable Independent NO, NO ₂ , NO _x ranges and autoranging supported
Units:	ppb or µg/m ³
Zero Noise:	<25 ppt (RMS)
Span Noise:	<0.25% (RMS) of reading (above 50 ppb)
Lower Detectable Limit (LDL):	50 ppt (RMS)
Zero Drift:	<0.1 ppb/24 hours, <0.2 ppb/7 days
Span Drift:	<0.5% full scale/7 days or 50 ppt (RMS)/7 days, whichever is greater
Rise and Fall Time:	<60 seconds to 95% with adaptive filter
Linearity:	1% full scale
Precision:	0.5% of reading above 50 ppb
Sample Flow Rate:	1,000cc/min ±10%
Operating Temperature Range:	20 - 30°C (5 - 35°C safe operating range)
Dimensions (HxWxD):	7" (178 mm) x 17" (432 mm) x 23.5" (597 mm)
Weight:	Analyzer 43 lbs (20 kg), Pump 21 lbs (9.5 kg)
Power:	100V 50/60 Hz, 115V 60Hz, 220V 50/60 Hz, 230V 50Hz, 240V 50Hz, 125 Watts
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, 4-20 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 requirements.

How To Order

Model 200A Ultra Sensitivity Analyzer for NO, NO₂, NO_x Analyzer includes:

- External pump
- Permeation air dryer
- Independent NO, NO₂, NO_x ranges
- Auto ranging
- 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:

- 47mm (standard)

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
- Remote mounted NO_y converter

Calibration Valves:

- Stainless steel valves for selection of customer-supplied zero and span gas

Accessories:

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



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