



Thermo Model 42i NO, NO₂, NO_x Analyzer

Rental/Application Notes:

- User programmable software allow individual measurement range settings to be stored in memory for subsequent recall and NO, NO₂, NO_x hourly average storage for up to one month.
- Can be remotely controlled with bi-directional RS-232 Communication Port, or Ethernet Port
- Troubleshooting diagnostics provide instant indication of instrument operating parameters including pressure, flow, DC supply voltages, internal temperature, reaction chamber temperature, PMT operating voltage, and converter temperature.
- Programmable 1, 5, 15, 30, or 60 minute average readings or instantaneous readings.
- Dual Range capabilities.
- Molybdenum converter.

Specifications:

Unit Weight	49 lbs.
Shipping Weight	64 lbs.
Number of Boxes	1
Dimensions	16.75"(w)x8.62"(h)x23"(d)
Detection Method	Chemiluminescence
Detection Limit	0.40ppb (60 sec. avg. time)
Manufacturer's Ranges	0-0.05ppm to 20ppm, Extended up to 0-100ppm
CleanAir Suggested Ranges	0-1ppm
Operating Temperature	0-45° C
Sample Temperature	Ambient
Power in Watts	300
Voltage Range	100VAC@50/60Hz, 115VAC@50/60Hz, 220-240VAC@50/60Hz
Sample Flow Rate	0.6 -0.8LPM
Software Requirements	486 Computer or higher, Win 98, 2000, XP
Outputs	Analog: 6 voltage; 0-100mv, 1v, 5v, 10v Digital: 1 pwr fail, 10 digital relays, alarm output relay logic, 100mA@200VDC
Drift	Span Drift: ± 1% FS Zero Drift: <0.40ppb
Linearity	±1% FS
Response Time (Auto Mode)	40 sec. (10 sec. avg.), 80 sec. (60 sec. avg.) 300 sec. (300 sec avg.)
Warm Up Time	90 min to stabilize