

ACOEM SERINUS 44

NO / NO₂ / NO_x / NH₃ Gas Analyzer

The Acoem Serinus 44 analyzer measures nitrogen oxides in ambient air. The Serinus 44 uses gas-phase chemiluminescence detection for continuous analysis of nitric oxide (NO), total nitrogen oxides (NO_x) and nitrogen dioxide (NO₂), and an external thermal catalytic converter for ammonia (NH₃) analysis. A data logger is integrated into the analyzer.



APPROVALS

- France LSCQA
- EN TÜV (936/21221977/A)
- EN MCERTS (MC100167/06)
- US EPA (RFNA-0809-186)

- ✓ Rental from one day
- ✓ Technical assistance included



Chemiluminescence

TECHNICAL SPECIFICATIONS

MEASUREMENT RANGES	NO _x : 0-50 ppb to 0-20 ppm NH ₃ : ± 2ppm
UNITS	mg/m ³ , µg/ m ³ , ppm, ppb or ppt
DETECTION LIMIT	< 0,4 ppb or 0,5 % of concentration
LINEARITY	< 1% of full scale
OPERATING TEMP.	0-40 °
PRECISION	0.4 ppb or 0,5 % of concentration
DATA LOGGING	Up to 8 GB
ZERO DRIFT	24 hours: < 0.4 ppb 7 days: < 0.4 ppb
RESPONSE TIME	60 secondes to 95 %
FLOW	900 cc/min (total for 3 channels)
COMMUNICATION	4-20 mA, 0-5 V
POWER	240 VAC, 60 Hz (autoranging)
DIMENSIONS	429 x 175 x 638 mm - Rack : 3,5 RU
WEIGHT	22 kg

Similar product available at CleanAir :



KEY POINTS

- Real-time monitoring
- Remote visualization of over 200 operational parameters
- Bluetooth connectivity
- “Serinus® Remote” Android application:
 - Programming
 - Viewing
 - Downloading
 - Emailing of data
- Removable flash memory:
 - 10 years of data
 - Up to 12 individual parameters
 - Event logs
- Advanced GUI and a large keypad with tactile keys

APPLICATIONS

- Indoor and outdoor air quality
- Water treatment plant
- Food industry
- Incineration plant
- Recycling plant
- Laboratory analysis

For more information

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