

Ambient air

NH₃ Analyzer

Ammonia analyzer (NH₃) at ppm level
Ambient air and Emission monitoring



Model: D27000

Available in 5U rack, wall mounted rack or others

Applications of the NH₃ analyzer:

Used in addition to Volatil Organic Compound and sulfurs analyzers, the NH₃ analyzer gives an additional option for the detection and control of ambient air, emission and odor.

This analyzer monitors the efficiency of filtration system for deodorization. This application is the same as H₂S and mercaptans analysis made with the MEDOR® range.

Deodorization

NH₃

Emission

NH3 Analyzer

Ammonia analyzer (NH3) at ppm level
Ambient air and Emission monitoring



Principle:

- Online ammonia analysis has become essential to keep up with the environmental and sanitary regulations. These analyses involve different markets such as: industrial effluent monitoring, waste water treatment plant and ambient air.
- The method used is based on the Fourier transform of the absorption spectrum of ammonia NH3.
- This system need very low operating and maintenance costs. Indeed, the Xenon lamp has a lifetime of around 10 years with one measurement every minute.
- Moreover, it is important to note that no interferences can be caused by suspended particules.

Product technical specifications:

Sample temperature:

- 0 to +30°C (to be confirmed depending on application)

Standard detection range:

- 0-100 ppm (contact us for other range)

Maximum performance:

- Analyzer's optimum function at 22°C ± 5°C
- Installed by Chromatotec®

Detection system:

- UV Spectroscopy

Working pressure:

- Max 2 bar

Display:

- Graphic display and data storage

Results:

- Directly available on the screen
- Data format compatible with Excel
- Full traceability of results

Communication:

- RS-232 for computer, modem, Modbus or printer

Signal output and relay:

- 4 – 20 mA
- High and low threshold relays

Power supply:

- 110/120 Volt or 220 / 240 Volt and 50 / 60Hz
- Battery: 24V (option)

Electrical consumption:

- 30 VA

Dimensions and weight:

- Rack: 19" (5U)
- Height: 222 mm
- Width: 482 mm
- Depth: 660 mm
- Net weight analyser: 20 kg

Options:

- 12 Volt battery for complete autonomy
- 24 Volt pump on standard model to sample only what is needed by the analyzer
- Air zero generator (NH3 ≤ 0.1ppm) for the analyzer blank and for the dilution of the calibration
- Calibration system with NH3 permeation tube is used to confirm the results
- Automatic cleaning system
- Multiplexer
- Measurement remote control
- Specific cabinet upon request

To order:

Standard NH3 analyzer

Model:

D27000

Chromatotec® is continuously improving its products, therefore these specifications are subject to change without notice



To contact us: info@chromatotec.com

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