

Ambient air

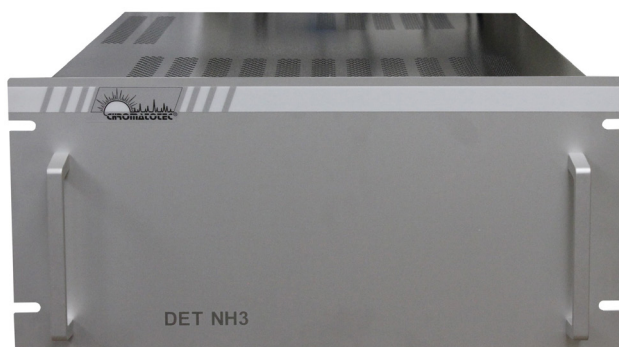
Deodorization

NH<sub>3</sub>

Emission

# NH<sub>3</sub> Analyzer

Ammonia analyzer (NH<sub>3</sub>) at ppm level  
Ambient air and Emission monitoring



Model: D27000

Available in 5U rack, wall mounted rack or others

## Applications of the NH<sub>3</sub> analyzer:

Used in addition to Volatil Organic Compound and sulfurs analyzers, the NH<sub>3</sub> 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 H<sub>2</sub>S and mercaptans analysis made with the MEDOR® range.

SCAN or CLICK ME



Chromatotec® is specialised in VOC, Sulfur and permanent gases analysis at trace and ultra trace levels (ppm, ppb, ppt).  
Please visit our website for more details.

Updated: October 2024

# 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 needs 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.

## 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 ( $\text{NH}_3 \leq 0.1 \text{ ppm}$ ) for the analyzer blank and for the dilution of the calibration
- Calibration system with NH3 permeation tube is used to confirm the results (need to be controlled by an auto GC 866)
- Multiplexer
- Measurement remote control
- Specific cabinet upon request

## Product technical specifications:

### Detection limit:

- $\text{NH}_3 \leq 0.2 \text{ ppm}$

### Standard detection range:

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

### Maximum performance:

- Analyzer's optimum function at  $22^\circ\text{C} \pm 5^\circ\text{C}$
- Installed by Chromatotec®

### Detection system:

- UV Spectroscopy

### Working pressure:

- Max 2 bar

### Sample temperature:

- 0 to  $+30^\circ\text{C}$  (to be confirmed depending on application)

### 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

[CLICK HERE FOR ADDITIONAL DIMENSIONS DETAILS](#)

### To order:

Standard NH3 analyzer  
DET NH3 with screen and keyboard

### Model:

D27000  
D27022

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



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