



**Simple Touchscreen Operation**

**The IAG NMS measuring system is a 191 °C heated extractive diode laser ammonia detection system.**

This very compact and light system can be used in a wide variety of applications.

Two sample gas inlets, two analogue output instrument, a built-in gas inlet pressure regulator, a heated sample gas filter, an integrated purge function, a span gas connection and any kind of communication option you might eventually like are basic technical features.

### Operation:

Setup and operation are kept as simple as possible without sparing an operation software with all functions the advanced user would expect, including alarm parameterisation, calibration as well as open communication settings.

The operation takes place via touchscreen directly at the device or via communication interfaces such as AK, RS232, Modbus or Profibus.

### Response Time:

Analysing components like NH<sub>3</sub>, which are very difficult to detect, require measuring systems that provide optimal response times. IAG has been developing heated pre-filters since 1998 and has worked ever since to create sampling modules and measuring systems with minimum internal volume, optimised gas flow, uniform heating and special surface treatment. Therefore, this system has the ability of realising very short response times.

### Service:

Another important thing to mention is the maintenance friendliness of our products. Annual maintenance can be easily done by the user and wear parts are available for very reasonable prices.

### Advantages

- + High Accuracy
- + Easy Setup
- + Low Maintenance
- + Compact Design
- + Simple Operation
- + Easy Calibration
- + IAG Filter Chamber

### Options

- SilcoTek Surface Treatment
- Gas Connections According Customers Specs

### Technical Data

Dimensions:	690 x 370 x 360 mm
Weight:	20 kg
Sample Gas Connections:	Swagelok 6 mm
Heated Line Connections:	2 x Binder 693
Purge Gas Connection:	Swagelok 6 mm
Adjustable Sample Flow:	10 l/Min
Filter Cartridge:	70 cm <sup>2</sup> PTFE Bond Glass
Laser Path Length:	400 mm
Measuring Range:	0-2000 ppm
Sampling Rate:	1 Hz
Detection Limit:	0,8 ppm
Accuracy:	2 % of the measured value
Drift:	1 % p. 8 h, 2 % p. week
Repeatability:	0,5 %
Inlet Pressure:	0-3 bar rel.
Power Supply:	115 VAC 60 Hz / 230 VAC 50 Hz

Via A. Volta n. 27  
20082 Binasco (Milano)  
Tel. 39 02 90093082  
Fax. 39 02 9052778  
info@gambetti.it  
www.gambetti.it  
www.plasmi.eu