

NO_x ANALYZER

MODEL: Vair-9002



NH₃ ANALYZER

MODEL: Vair-9002N

Both NO_x and NH₃ are available; please specify which one is required.

NO_x & NH₃ Analyzer

The Vair-9002 & Vair-9002NH NO_x (NO/NO₂/NO_x) & NH₃ Analyzer is designed to measure the minimum amount of NO_x (NO, NO₂) and NH₃ in the air simultaneously using chemiluminescence.

The O₃ generator used in the Vair-9002 and Vair-9002NH is built for strong durability, ensuring long-term reliability with minimal failure. The NO₂-NO converter, used for NO₂ measurement, is equipped with a high-efficiency cartridge material that achieves a conversion rate close to 100%. All temperature adjustment systems, including those for the response cell, converter, PMT, and TEMP, are integrated into user-friendly software for easy operation.

All gas analyzers of Vair series were equipped with screen interface design using TFT-LCD & Touch screen so that user can operate the analyzer and maximize the visual image, and MCU applied to the analyzer is ARM 11 32bit processor and operates based on Linux Kernel 2.6 which maximizes the system stability due to multiprocessing.

In addition, the analyzer is equipped with automatic zero correction system (Auto Zero) for smooth measurement and various interfaces (**Ethernet, RS232, RS485, USB, Analog out**) so that user can use it more conveniently and usefully.

Features

- Ranges NO_x: 0-0.1/0-0.5/0-1ppm (Selectable)
- Ranges NH₃: 0-0.1/0-0.5/0-1ppm (selectable)
- Temperature & pressure compensation Internal zero(optional)
- In built Data Logger Utilizes NAND-Flash to Store up to 1year (1 min averaged data)
- 7inch TFT LCD & touch screen interface.
- USB interface utilizes for System Program Update.
- Stored data can be retrieved RS-232, USB Interface and TCP/IP network
- Ethernet, RS-232, RS-485 & USB ports.

NOx & NH₃ ANALYZER

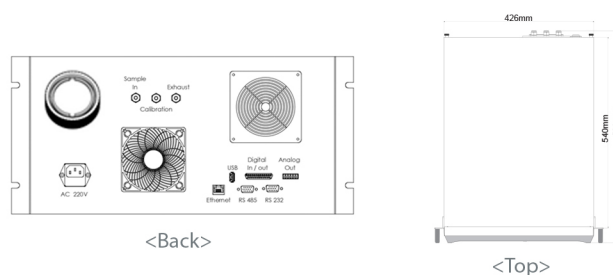
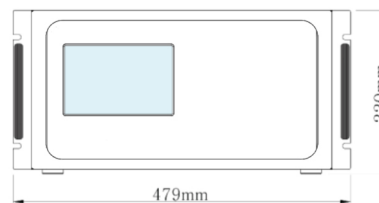
Technical Specifications

Measuring items	Nitrogen Oxides(NO/NO ₂ /NOx) & NH ₃ in Ambient Air
Measuring method	Chemiluminescence method (CLD)
Ranges	NOx & NH ₃ : 0-0.1/0-0.5/0-1ppm (Selectable)
Lower Detectable Limit	Less than 0.5ppb
Repeatability	With in ±1% of span gas concentration
Zero drift	Less than 1 ppb
Span drift	With in ± 1% full scale (1 day)
Response time (95%)	Less than 60 seconds (T95)
Linearity	With in ± 1% full scale
Precision	With in 0.2% of reading or 0.5 ppb
Ambient temperature	0-40°C
Analog output	0-1V/0-5V or 4-20mA (option)
Sample flow rate	Stabilized flow control by 800cc/min Critical Orifice
Particulate filter	47mm Teflon Filter
Display	7" inch Graphic LCD
Comport	Ethernet, USB2.0, RS-232, RS-485
Internal Data memory	Measuring data (1min/1 year), Operation history, Messages, Alert
Power Requirement	220 VAC/60Hz or 230VAC/50Hz

Ordering Information

1. Range
 - 0 0-0.5 ppm, 0-1 ppm (standard)
 - 1 0-1 ppm, 0-2 ppm
2. Power
 - 0 220VAC/60Hz (Standard)
 - A 230VAC/50Hz
 - B 110VAC/50Hz
3. Internal Zero
 - 0 Sample/Cal valve (Standard)
 - Z. Internal zero Scrubber
4. Mountion Hardware
 - 0 Bench Mounting (Standard)
 - H Ears & handles
5. Teflon Particulate filter
 - 0 Not Include (standard)
 - P 1pkg

Dimenstions - Casetype



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