

Nitrogen Oxides Analyzer



MODEL: Vair-9002

NOx Analyzer

Vair-9002 NOx Analyzer is the analyzer that measures minimum amount of NOx(NO,NO₂) in air at the same time using the Chemiluminescence.

O₃ Generator used for Vair-9002 is designed for strong durability with no failure for a long time and NO₂-NO Converter for measurement of NO₂ is equipped with high efficient cartridge material which improves the change rate near 100%. All temperature adjustment system such as response cell, Converter, PMT, TEMP etc are designed to be entered in the self software which is easy to use.

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, DIO, Analog out**) so that user can use it more conveniently and usefully.

Features

- Ranges 0-0.1/0.5/1ppm, user selectable.
- 7inch TFT LCD & touch screen interface.
- Ethernet, RS-232, RS-485 & USB ports.
- USB interface utilizes for System Program Update.
- Temperature & pressure compensation Internal zero(optional)
- Stored data can be retrieved RS-232, USB Interface and TCP/IP network
- In built Data Logger Utilizes NAND-Flash to Store up to 1year (5min averaged data)

NITROGEN OXIDES ANALYZER

Technical Specifications

Measuring items	Nitrogen Oxides(NO/NO ₂ /NO _x) in Ambient Air
Measuring method	Chemiluminescence method (CLD)
Ranges	0-0.1/0-0.5/0-1ppm (Selectable)
Lower Detectable Limit	Less than 0.5ppm
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	5-40°C
Analog output	0-1V/0-5V or 4-20mA (option)
Sample flow rate	Stabilized flow control by 700cc/min Critical Orifice
Particulate filter	47mm Teflon Filter
Display	7" inch Graphic LCD
Comport	Ethernet, USB1.1, RS-232, RS-485
Internal Data memory	Measuring data (5min/1 year), Operation history, Messages, Alert
Power Requirement	220 VAC/60Hz or 230VAC/50Hz

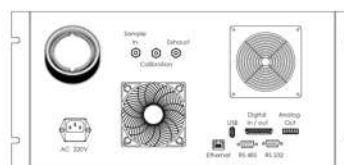
Ordering Information

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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VASTHI INSTRUMENTS

Plot No: 21 & 22, Block No: 24, Phase-IV
Auto Nagar, Guntur-522001, Andhra Pradesh, India.
Contact: +91 738 2708 685, +91 958 1678 685
web:www.vasthi.com,
E: Info@vasthi.com, sales@vasthi.com