

**Model No : V.air - 9002****NO_x Gas Analyzer**

- **independent measurement NO, NO₂, NO_x**
- **Microprocessor realization of multi-function operation**
- **Software allows monitoring during the operation to test data**
- **RS-232 port for remote control**
- **Measuring Range: 0-50 ppb to 0-20 ppm, User-selectable**

Description :

Nitric oxide Analyzer using chemiluminescence detection principle, combined with the most advanced microprocessor technology provides accurate and reliable low NO_x detection of ppb-ppm level, suitable for atmospheric monitoring and dilution of pollution online monitor application.

Nitric oxide work is the basic principle of chemiluminescence Analyzer. O₃ and NO reaction after the absorption of chemical energy, is inspired to the excited state, and excited when you return to the ground state, and release energy in the form of photons. Chemiluminescence intensity is proportional to the concentration of gas can be quantitative measurement of material.

Full control over all the functions of this instrument at the same time, can also provide important operating parameters of online instruction. During the measurement, real-time automatic compensation of the temperature and pressure changes.

Technical Specifications :

Parameters:	Indicator
Range	Mmn: 0-50 ppb Max: 0-20 p ppm automatic range switching
Concentration Units	ppb, ppm, ug/ m3, mg/ m3
Zero noise	The core 0.2 ppb
Quantum noise	0.5% ppb or 0.2 ppb or more
Detection limit	0.4 ppb
Zero drift (24 h)	Core 0.5 ppb
Zero drift (7 days)	<1 ppb
Span drift (7 days)	<1%F.S.
linearity	<1%F.S.
Precision	<1%
Response time	< 90 s to 95%
Gas flow	(400± 50) sccm
Operating temperature range	(5 -- 40)°C
Operating humidity range	(0 -- 95)% RH
Instrument size	l78mmx432mmx600mm
Instrument weight	< 18 KG
An external pump weight	< 7 KG
Power supply	200—240V,50/60Hz, 300W
Interface	Analog outputs, digital output, R232, R485, Ethernet interface, USB interface
Communication protocol	Modbus

FEATURE

- Measuring range: 0-50 ppb to 0-20 ppm, User-selectable
- independent measurement NO, NO₂, NO_x
- Microprocessor realization of multi-function operation
- Software allows monitoring during the operation to test data
- Continuous belt alarm post
- Ozone generator is provided with a penetration drying tube bi-directional
- RS-232 port for remote control
- Digital output the instrument parameters
- Adaptive signal filtering techniques optimize response time
- With temperature and pressure compensation
- With USB and Ethernet interfaces
- Color display, touch screen operation
- Large-capacity memory automatically stores historical data

**VASTHI INSTRUMENTS**

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