



**Model No : V.air - 9004**

**Ozone Gas Analyzer**

- **Microprocessor realization of multi-function operation**
- **With temperature and pressure compensation with USB and Ethernet interfaces**
- **Color display, touch screen operation**
- **Digital output the instrument parameters**
- **Large-capacity memory automatically stores historical data**

## Description :

Ozone Analyzer by ultraviolet spectrophotometry principles, combined with the most advanced microprocessor technology, provides accurate and reliable low - content ppb - ppm - level  $O_3$  detection, application suitable for atmospheric monitoring requirements.

UV absorption ozone Analyzer based on Beer-Lambert law for monitoring low concentration of ozone concentrations in ambient air.

A 254nm UV light through the sample cell is absorbed by the ozone in the sample cell, absorption value is proportional to the concentration of ozone. Through the solenoid valve cycle alternating samples through measuring the sample gas and contains no ozone. Finally, we get a real stable measurement of ozone concentration.

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: 0-100 ppb Max: 0-10 ppm automatic range switching
Concentration Units	ppb,ppm,/ m <sup>3</sup> , mg/ m <sup>3</sup>
Zero noise	0.05 ppm
Quantum noise	0.5% 50 ppb or 0.2 ppb or more
Detection limit	1 ppb
Zero drift (24 h)	Core 1 ppb
Zero drift (7 days)	Core 2 ppb
Span drift (7 days)	<1%F.S.
Linearity	<1%F.S.
Precision	<1%
Response time	<20 s to 95%
Flow	(800±80) sccm
Operating temperature range	(5 -- 40)°C
Operating humidity range	(0 -- 95)% RH
Instrument size	l78mmx432mmx600mm
Instrument weight	<15 KG
Power supply	200—240V,50/60Hz, 200W
Interface	Analog outputs, digital output, R232, R485, Ethernet interface, USB interface
Communication protocol	Modbus

## FEATURE

- Measuring range: 0-100ppb to 0-10 ppm, user selectable
- Dual range and automatic setting range
- Ultraviolet Spectrophotometric measuring principle
- Microprocessor realization of multi-function operation
- Software allows monitoring during the operation to test data
- Continuous self test with alarm light attenuation self-test feature 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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