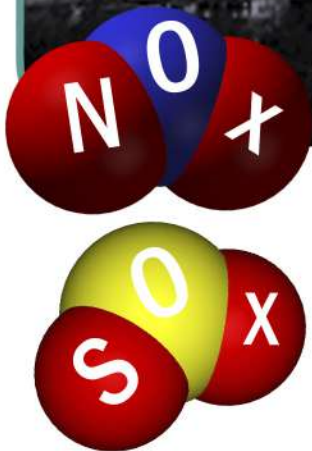


Vasthi Online Stack Sox & Nox Gas Analyzer



Nitrogen & Sulfur Oxides
Analyzer (Nox & Sox)



ALARM 1
ALARM 2
SAMPLING
PURGING

Online Stack Gas Analyzer

CO	00.0	CO2	00.0
NO	01.5	NO2	12.5
SO2	00.00	SOX	10.0

FN INC
EN DEC

VASTHI ENGINEERS PVT LTD

Vasthi Online Stack Sox & Nox Sas Analyzer

The Vasthi Multi Gas Analyzer for Nox and Sox gases uses microprocessor control and Direct Extractive detection method to measure high concentration total oxides of Nitrogen (Nox), and total oxides of Sulfuric (Sox). The analyzer delivers excellent sensitivity and reliability by using single measurement channel and gas sample accumulator to provide precise measurement of Nox and Sox artifacts.

Advanced signal processing provides continuous measurement and NOX, Sox concentrations are corrected for fluctuations in gas temperature/pressure, flow rate and gases converter efficiency. Data can be displayed either in parts per million (ppm) or milligrams per cubic meter (mg/m³).

FEATURES

- High concentration Nox/Sox measurement using direct extractive detection method. This analyzer has been specifically designed for applications with Nox and Sox ranges of 0 - 2000 ppm or 0 - 300 ppm (option)
- Inbuilt large monochrome LCD display presents real time data, molybdenum converter efficiency, instrument status and historical information in a digital or graphical format. User selectable screens provide access to all instrument setup and diagnostics menus
- Stored data can be retrieved via RS232, USB interface or the optional Ethernet connection and uploaded to a TCP/IP network.
- Ethernet option facilitates data download from an analyzer connected to the internet via a standard web interface. This feature also supports remote access to instrument parameters and the status output screen.
- Auto zero pre-reactor control provides continuous zero function.
- Inbuilt data logger uses Flash ROM with storage capacity up to 150 days of 5 minute data.
- It has facility to calibration functions like Auto Zero and Auto Span settings.

Vasthi Online Stack Sox & Nox Sas Analyzer

- Pre- Settable Sampling and Purging, data logging times.
- Memory clear facility.
- Real time clock (RTC) facility.

SPCIFICATIONS

Ranges display:	Auto-ranging 0-2000 ppm (2), optional 0-300 ppm
Resolution equals	0.01ppm
Analogue out:	4-20mA
Temperature range:	10°C to 60°C.
Relative humidity:	0% to 80% non-condensing.
Sample flow rate:	3 to 5 LPM
Digital outputs:	Multidrop RS232 port shared between analysers for data, status and control. USB post DB50 with discrete status, user controls and analogue output.
Communication port:	Rear panel multi-drop RS232 port shared between analyzers for data, status and control and front panel service RS232 port. Plus USB interface and optional Ethernet connection to a TCP/IP network via an RJ45 connector.
Data logging:	Supports internal data logging capability with storage up to 135 days of 5 minute data stored in flash ROM.
Power:	230 V AC, 50 HZ

Vasthi Online Stack Sox & Nox Sas Analyzer

Electrical & Communications

Input Voltage	100-240 VAC, 50-60 HZ
Standard Current	.5 A @ 120 VAC
R S232 -	all parameters
LCD Display	Concentration
Alarms	Two Levels (selectable range)
Accuracy	±2%
Repeatability	±0.5%
Signal response time	t 90 <2sec. (At 1 LPM) 90
Operating Temperature	0 - 50 Deg. C
Warm up Time	<3 min

Sampling System

Sampling System internal Parts Will change depend on application and area of use.

- Drain Pot
- Gas filter
- Glass Wool Filter
- Solenoid Valve
- Pump
- Teflon meter
- Flow Meter
- Contractor
- Drain valve
- Heater

Note: Specifications and Features will vary with application. The above are established and validate during design, but are not to be construed as test criteria for every product. Due to Vasthi's commitment to research, design and development specifications are subjected to change without notice.

