

TRS (Total Reduced Sulfur) Analyzer



MODEL: Vair-9016

TRS (Total Reduced Sulfur) Analyzer

Total Reduced Sulfur (TRS) Analyzer:

Accurately measure Total Reduced Sulfur compounds, including H₂S, mercaptans, and other sulfur species, with our cutting-edge TRS analyzer. Ensure compliance, prevent corrosion, and protect personnel with precise monitoring of sulfur emissions in various industries, including oil & gas, environmental, and industrial processes."

"Total Reduced Sulfur (TRS) Analyzers are crucial tools for monitoring sulfur compounds in various industries. Our Vasthi TRS analyzer provides accurate, real-time measurements of H₂S, mercaptans, and other sulfur species, enabling you to ensure regulatory compliance, prevent equipment corrosion, and safeguard personnel. With its advanced technology and user-friendly interface, our TRS analyzer is the perfect solution for your sulfur monitoring needs."

The Model Vair-9016 TRS Analyzer employs the proven UV fluorescence principle to accurately measure Total Reduced Sulfur (TRS) at levels commonly required for ambient air monitoring.

High-Efficiency Converter

The analyzer features a high-temperature external converter, set at 850°C, which ensures efficient conversion (greater than 98%) of H₂S, methyl mercaptan, dimethyl disulfide, and methyl-disulfide to SO₂.

Flexible Measurement Options

A convenient switching option allows for alternate measurement of TRS and SO₂, displaying both readings concurrently on the front display.

Advanced Instrument Features

The Model Vair-9016 boasts an advanced color display, capacitive touch screen, and intuitive user interface. Additional features include:

- Flexible I/O options
- Built-in data acquisition capability
- Instrument setup, control, and data access via front panel, RS232, Ethernet, or USB comports
- Remote connection capability using software

TRS (Total Reduced Sulfur) ANALYZER

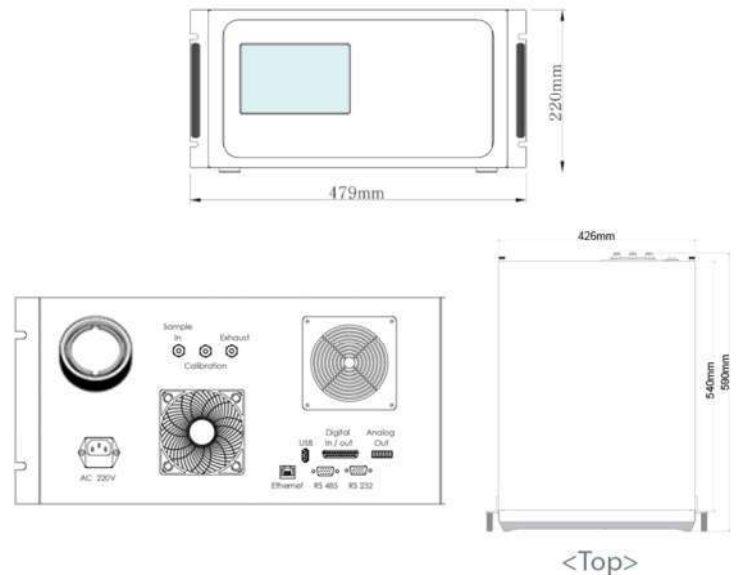
Technical Specifications

Measuring items	Total Reduced Sulfur (TRS) in Ambient Air
Measuring Principle	UV fluorescence principle
Ranges	0-100 ppm (parts per million) or 0-1000 ppb (parts per billion)
Sensitivity	0.1-1 ppm or 0.1-10 ppb
Resolution	0.1-1 ppm or 0.01-0.1 ppb
Response Time	1-5 minutes
Zero Noise	< 0.2 ppb (RMS)
Span Noise	< 0.5% of reading (RMS) above 50 ppb
Span Drift	±1-2% of full scale per week
Zero Drift	±0.5-1% of full scale per week
Operating Temperature	0-40°C (32-104°F)
Operating Humidity	0-90% RH (relative humidity)
Gas Flow Rate	0.5-2 L/min (liters per minute)
Sample Gas Pressure	100-200 kPa (kilo Pascals)
Display	7" inch Graphic LCD
Comport	Ethernet, USB1.1, RS-232
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 0-100 ppm, 0-1000 ppb (Selectable)
1 0.1-1 ppm or 0.1-10 ppb
2. Power
0 220VAC/60Hz (Standard)
A 230VAC/50Hz
B 110VAC/50Hz

Dimensions - Casetype



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AIR QUALITY MONITORING SYSTEM