

Sulfur Dioxide Analyzer



MODEL: Vair-9001

SO₂ Analyzer

Vair-9001 SO₂ Analyzer is the analyzer that measures minimum amount of SO₂ in air correctly using the UV fluorescence method. The UV lamp with less change of sensitivity used for Vair-9001 was applied and the self manufactured kicker to remove the obstacle components such as HC is installed.

To prevent the adhesion of specimen, the response chamber and specimen tube of special coating material was used to improve minimum detection and precision.

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 ARM11 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)

SULFUR DIOXIDE ANALYZER

Technical Specifications

Measuring items	Sulfur Dioxide(SO ₂) in Ambient Air
Measuring method	Ultraviolet fluorescent method (UVF)
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 120 seconds (T95)
Linearity	With in ± 1% full scale
Precision	1% of reading or 1 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
Internal Data memory	Measuring data (5min/1 year), Operation history, Messages, Alert
Power Requirement	220 VAC/60Hz or 230VAC/50Hz

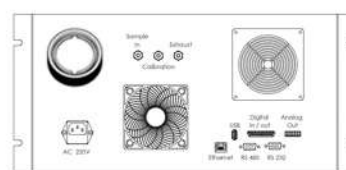
Ordering Information

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



<Front>



<Back>



<Top>



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