

Sulfur Dioxide Analyzer

[PORTABLE _ SHELF TYPE]



SO₂ Analyzer

M 100 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 M 100 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 M 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 ARM cortex 32bit processor and operates based on Linux Kernel 3.14 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, USB, Analog out**) so that user can use it more conveniently and usefully.

Features

- Ranges 0-0.1 / 0.5 / 1 ppm, user selectable.
- 7 inch TFT LCD & touch screen interface.
- Ethernet & USB ports.
- USB interface utilizes for System Program Update.
- Temperature & pressure compensation
- Internal zero (optional)
- Stored data can be retrieved USB Interface and TCP/IP network
- In built Data Logger Utilizes NAND-Flash to Store up to 1year (5min averaged data)

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 0.5ppb
Repeatability	within ±1% of span gas concentration
Zero drift	Less than 2ppb
Span drift	within ±1% / full scale (1 day)
Response time(95%)	Less than 120 seconds (T95)
Linearity	within ±1% / full scale
Precision	within 1% of reading or 1ppb
Operating Temperature	0-40°C
Ambient Temperature Humi	-40°C~+55°C/0-95%RH
Analog output	0-1V / 0-5V or 4-20mA (option)
Sample flow rate	Stabilized flow control by 800cc/min Critical Orifice
Particulate Filter	47mm Teflon Filter
Display	7 inch Graphic LCD
Comport	Ethernet, USB 2.0
Internal data memory	Measuring data, Operation history, Messages, Alert(Store up to 1year)
Power requirement	220VAC/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 Analog output

- ☐ **0** 0-1V / 0-5V (Standard)
☐ **A** 4-20mA

5 Teflon Particulate filter

- ☐ **0** Not Include(Standard)
☐ **p** 1pkg

Your Oder Code **M 100-**

1 2 3 4 5

Dimensions

Portable type

