

Particulate Matter Monitor



MEZUS 600

| Continuous Ambient Particulate Monitor

MEZUS 600 fine dust automatic measuring instrument is the analyzer that measures the fine dust PM₁₀ / PM_{2.5} in air using the β -ray Absorption method.

The half life of β -ray used for MEZUS 600 is 5730 years which can be used permanently and the introduction part was developed by our technology team to meet the EPA standard and installed after authorized test (performance certificate).

MEZUS 600 fine dust automatic measuring instrument is available for zero correction every hour or if required, and is designed for correct measurement as equipped with automatic flow rate adjustment device.

All gas analyzers of MEZUS 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-A9 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, RS232, RS485, USB, DIO, Analog out) so that user can use it more conveniently and usefully.

| Features

- Ranges 0-1,000 / 2,000 $\mu\text{g}/\text{m}^3$ user selectable.
- 5inch TFT LCD touch screen interface.
- Ethernet, RS-232, RS-485 & USB ports.
- USB interface utilizes for System Program Update.
- Temperature & pressure compensation
- 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 (1hour averaged data)

Specifications

Measuring items	Suspended particulate matter (SPM) in the ambient air
Measuring method	Beta ray attenuation method
Range	0-1,000 / 2,000 / 5,000ug/m ³ (selectable)
Repeatability	within ±1% of mass foil concentration
Zero drift	0.5%
Span drift	within ±1%/full scale (1 day)
Linearity	within ±1%/full scale
Ambient temperature	5 - 45°C
Analog output	0-1V / 0-5V or 4-20mA (option)
Sample flow rate	Stabilized flow control by 16.7 L/min
Sample filter	Glass Fiber Roll, L=20m
Display	5 inch Graphic LCD
Comport	Ethernet, USB2.0, RS-232 ,RS-422
Internal data memory	Measuring data (1hour/1year), Operation history, Messages, Alert
Power requirement	220VAC/60Hz or 230VAC/50Hz

Ordering Information

1. Range

- 0 0 - 2,000 ug/m³ (Standard)
- 1 0 - 5,000 ug/m³

4. Sample filter

- 0 Not Include (standard)
- p 1 roll

2. Power

- 0 220VAC/60Hz (standard)
- A 230VAC/50Hz
- B 110VAC/50Hz

3. Inlet

- 0 PM₁₀ inlet
- 1 PM_{2.5} WINS impactor inlet
- 2 PM_{2.5} Very Sharp Cut Cyclone

Your Order Code : MEZUS 600 -

1 2 3 4

Dimensions -case type

