

# Ozone Analyzer

PORTABLE



## MEZUS 400

### | O<sub>3</sub> Analyzer

MEZUS 400 O<sub>3</sub> Analyzer is the analyzer that measures minimum amount of O<sub>3</sub> in air correctly using the UV absorption method. The analyzer is equipped with high performance and high efficiency O<sub>3</sub> scrubber and used the specimen tube of special coating and materials to remove the obstacle components and prevent the adhesion of specimen for the measurement of minimum amount of ozone.

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 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.
- 5inch 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	Ozone(O <sub>3</sub> ) in ambient air
Measuring method	UV Photometry (UV absorption method)
Ranges	0-0.1 / 0-0.5 / 0-1 ppm (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 60 seconds (T95)
Linearity	within ±1%/full scale
Precision	0.5% of reading or 1ppb
Ambient temperature	5 - 40 °C
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	5 inch Graphic LCD
Comport	Ethernet, USB 2.0
Internal data memory	Measuring data, Operation history, Messages, Alert (store up to 1 year)
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

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1 2 3 4 5

## Dimensions

- Portable type

