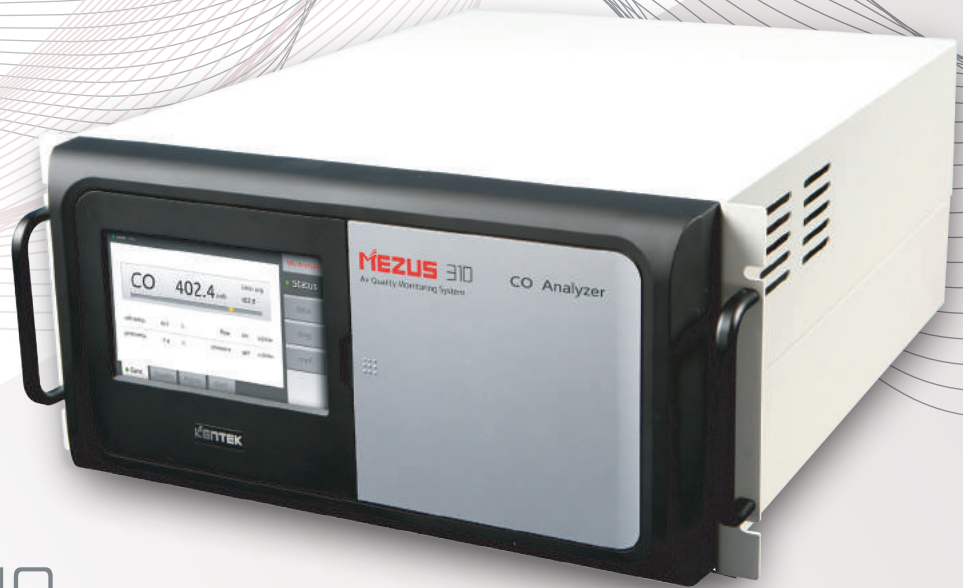


# Carbon Monoxide Analyzer



## MEZUS 310

### | CO Analyzer

MEZUS 310 CO Analyzer is the analyzer that measures minimum amount of CO in air correctly through the optical curved mirror which has long light path and durability, using the Non-dispersive Infrared Analysis Method (NDIR GFC). MEZUS 310 is equipped with the specially designed GFC wheel with no leak for a long time and the stable infrared lamp (IR Source).

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 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 0-50 / 100 ppm, 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)

## Specifications

Measuring items	Carbon monoxide(CO) in ambient air
Measuring method	Non-dispersive infrared analysis(GFC NDIR)
Ranges	0-50 / 0-100ppm (selectable)
Lower Detectable Limit	Less than 0.05ppm
Repeatability	within $\pm 0.5\%$ of span gas concentration
Zero drift	Less than 0.1ppm
Span drift	within $\pm 1\%$ /full scale (1 day)
Response time(95%)	Less than 60 seconds (T95)
Linearity	within $\pm 1\%$ /full scale
Precision	1% of reading or 0.1ppm
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	7 inch Graphic LCD
Comport	Ethernet, USB1.1, RS-232
Internal data memory	Measuring data (5min /1year), Operation history, Messages, Alert
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

### 4. Mountion Hardware

- 0 Bench mounting (standard)
- H Ears & handles

### 2. Power

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

### 5. Teflon Particulate filter

- 0 Not Include (standard)
- p 1pkg

### 3. Internal Zero

- 0 Sample/ Cal valve (standard)
- Z Internal Zero Scrubber

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1 2 3 4 5

## Dimensions -case type

