

Carbon Monoxide Analyzer

[PORTABLE _ SHELF TYPE]



M 300

CO Analyzer

M 300 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). M 300 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 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	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 $\pm 1\%$ of span gas concentration
Zero drift	Less than 0.2ppm
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
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 800 μ /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** 0-50 ppm (Standard)
☐ **1** 0-100 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 300-**

1 2 3 4 5

Dimensions

Portable type

