

Nitrogen Oxides Analyzer

PORTABLE



MEZUS 200

| NOx Analyzer

MEZUS 200 NOx Analyzer is the analyzer that measures minimum amount of NOx(NO,NO₂) in air at the same time using the Chemiluminescence.

O₃ Generator used for MEZUS 200 is designed for strong durability with no failure for a long time and NO₂-NO Converter for measurement of NO₂ is equipped with high efficient cartridge material which improves the change rate near 100%. All temperature adjustment system such as response cell, Converter, PMT, TEMP etc are designed to be entered in the self software which is easy to use.

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	Nitrogen Oxides(NO/NO ₂ /NO _x) in ambient air
Measuring method	Chemiluminescence method (CLD)
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 2 ppb
Span drift	within ±1%/full scale (1 day)
Response time(95%)	Less than 60 seconds (T95)
Linearity	within ±1%/full scale
Precision	within 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 700cc/min Critical Orifice
Particulate filter	47mm Teflon filter
Display	5 inch TFT-LCD & Touch screen
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

4. Analog output

- 0 0-1V/0-5V(standard)
- A 4-20mA

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

- Portable type

