

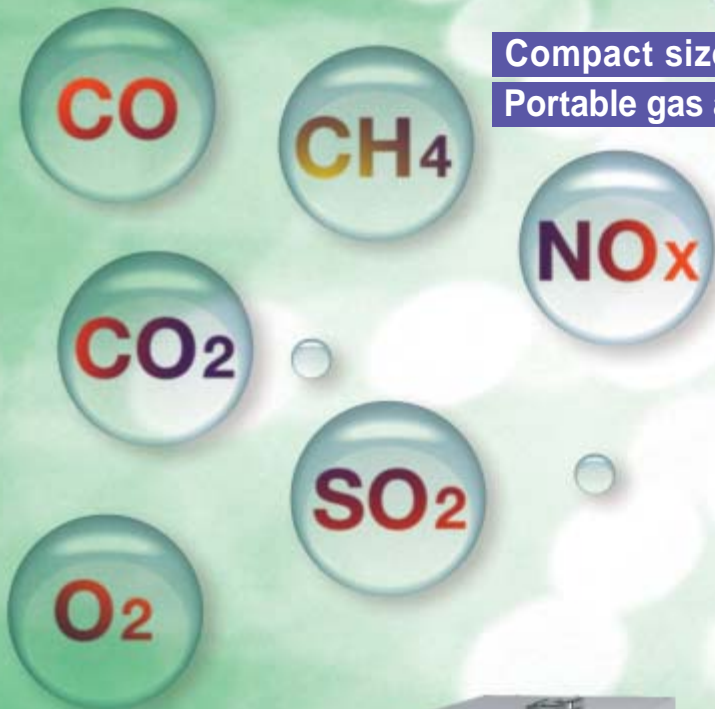
Portable Infrared Gas Analyzer

[Type:ZSV]

Continuous **5**-component measurement
with simple operation

Compact size with excellent functionality and operability

Portable gas analyzer with great mobility



Analyzer unit

Pretreatment unit



For exhaust gas measurement and R&D

- A maximum 5 components out of NO_x, SO₂, CO, CO₂, CH₄, and O₂ can be measured simultaneously.
- The large LCD screen with clear display assures simple operation.
- Single-beam infrared gas analyzer having excellent stability is adopted.
The O₂ sensor is available in 2 types: Paramagnetic type and Zirconia type.
- The separate structure allows the analyzer unit and the pretreatment unit to be placed separately.
- Measurement can be taken continuously for up to 5 days.

Fuji Electric Systems Co., Ltd.

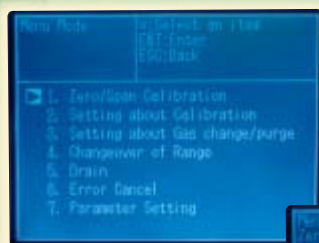


ISO14001
JQA-EM2492

ISO9001
JQA-2275

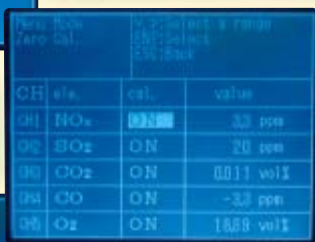
ECNO:333

Leave the measurement of CO, CO₂, CH₄, NO, SO₂, O₂ to us.

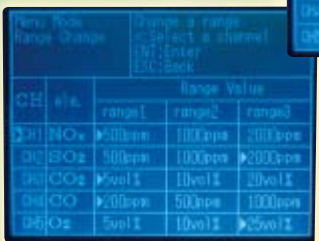


Menu screen

Simple operation assured
by clear display



Zero span screen



Range select screen

Gas extractor (option)



Simple probe

Probe with primary filter

Flow checker (for checking sample gas flow rate)



Display unit
(LCD with backlight)

Operation key

Sampling gas inlet
Standard gas inlet

Membrane filter

Bubbler
(Supply water inlet)

Power switch

Drain outlet

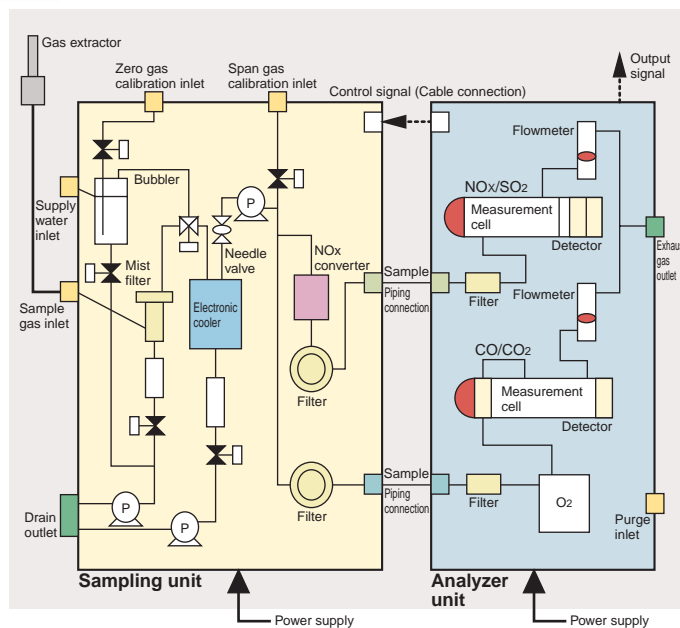
Specifications

Measured component/measurement range	CO ₂ : 0 to 200ppm...100%
	CO: 0 to 200ppm...100%
Analog output	NO: 0 to 500ppm...5000ppm
	SO ₂ : 0 to 500ppm...1%
	CH ₄ : 0 to 2000ppm...100%
	O ₂ : 0 to 5% 25%
	Maximum range ratio 1:5 Switching between 3 ranges allowed.
Communication function	4 to 20mA DC or 0 to 1V DC
	Concentration of each component, Instantaneous value after O ₂ correction One-hour average value after O ₂ correction, Four-hour average value after O ₂ correction
Repeatability	RS232C (MODBUS protocol)
Power supply voltage	±0.5%FS
Outside dimensions	100 to 115V AC or 200 to 240V AC, 50/60Hz
Weight	Analyzer unit: 204(H)x365(W)x514(D)mm
	Pretreatment unit: 370(H)x365(W)x514(D)mm
Gas extractor (option)	Analyzer unit: About 12kg, Pretreatment unit: About 18kg
	Simple probe or probe with primary filter

Major applications

- Tests for R&D such as combustion, biogas generation, and plant photosynthesis tests
- Simple measurement for control of exhaust gas from businesses place
- Control and check of CA storage atmosphere
- Combustion exhaust gas measurement control
- Comparison with gas analyzers installed at site and backup

Example configuration



Associated equipment

Paperless recorder for storage of measurement data and analysis



Type	PHR
Number of recording points	9 or 18
Input signal	4 to 20mA DC, 1 to 5V DC, thermocouple, resistance bulb
Storage medium	Compact flash (512MB max.)

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