

Compact Type

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.

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

Menu Mode	ESC:Select an item ENT:Enter ESC:Back
1.	Zero/Span Calibration
2.	Setting about Calibration
3.	Setting about Gas change/purge
4.	Changeover of Range
5.	Drain
6.	Error Cancel
7.	Parameter Setting

Menu screen

Simple operation assured
by clear display

Menu Mode	ESC:Select a range ENT:Select ESC:Back	
Zero Cal.		
CH ele.	cal.	value
CH1 NO _x	ON	3.3 ppm
CH2 SO ₂	ON	20 ppm
CH3 CO ₂	ON	0011 vol%
CH4 CO	ON	-3.3 ppm
CH5 O ₂	ON	18.89 vol%

Zero span screen

Menu Mode	Change a range
Range Change	ESC:Select a channel ENT:Enter ESC:Back
CH ele.	Range Value
	range1 range2 range3
CH1 NO _x	500ppm 1000ppm 2000ppm
CH2 SO ₂	500ppm 1000ppm 2000ppm
CH3 CO ₂	5vol% 10vol% 20vol%
CH4 CO	200ppm 500ppm 1000ppm
CH5 O ₂	5vol% 10vol% 25vol%

Range select screen

Gas extractor (option)



Simple probe

Probe with primary filter

Flow checker (for checking sample gas flow rate)



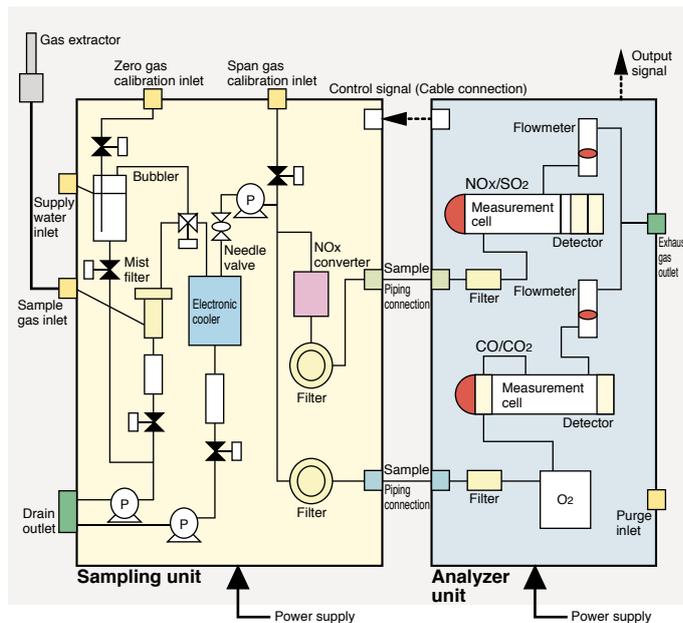
Specifications

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 1000ppm...100%
	O ₂ : 0 to 5% / 10 to 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
	Analyzer unit: 211(H)x365(W)x514(D)mm Pretreatment unit: 377(H)x365(W)x514(D)mm
Weight	Analyzer unit: About 12kg, Pretreatment unit: About 18kg
Gas extractor (option)	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	PHF
Number of recording points	3 or 6
Input signal	4 to 20mA DC, 1 to 5V DC, thermocouple, resistance bulb
Storage medium	Compact flash (2GB max.)

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