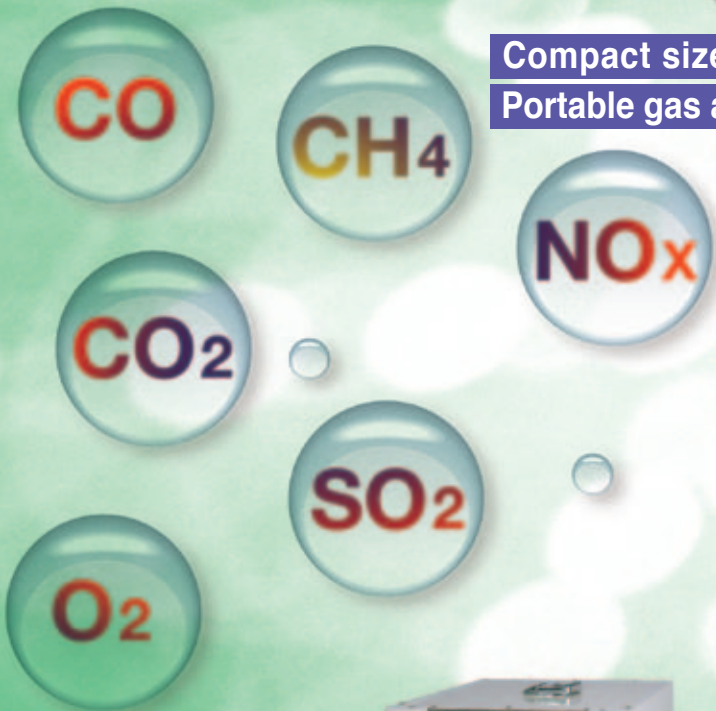


# Compact Type Infrared Gas Analyzer [Type:ZSV]

Continuous 5-component measurement  
with simple operation

Compact size with excellent functionality and operability  
Portable gas analyzer with great mobility



Analyzer unit

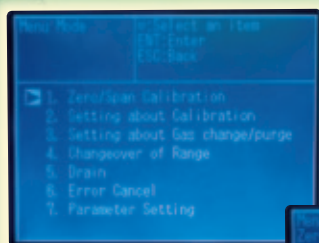
Pretreatment unit



## For exhaust gas measurement and R&D

- A maximum 5 components out of NO<sub>x</sub>, SO<sub>2</sub>, CO, CO<sub>2</sub>, CH<sub>4</sub>, and O<sub>2</sub> 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 O<sub>2</sub> 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, CO<sub>2</sub>, CH<sub>4</sub>, NO, SO<sub>2</sub>, O<sub>2</sub> 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)

Drain outlet

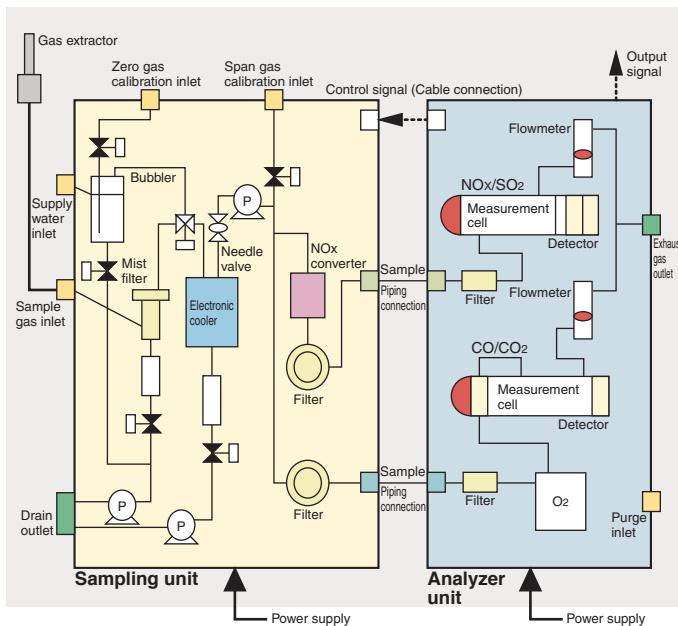
## Specifications

Measured component/measurement range	CO <sub>2</sub> : 0 to 200ppm...100%
	CO: 0 to 200ppm...100%
Analog output	NO: 0 to 500ppm...5000ppm
	SO <sub>2</sub> : 0 to 500ppm...1%
	CH <sub>4</sub> : 0 to 1000ppm...100%
	O <sub>2</sub> : 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 <sub>2</sub> correction One-hour average value after O <sub>2</sub> correction, Four-hour average value after O <sub>2</sub> 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: 204(H)x365(W)x514(D)mm Pretreatment unit: 370(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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