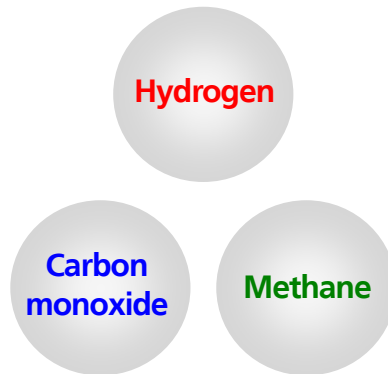


## Sensor Gas Chromatograph

### Hydrogen/Carbon monoxide/Methane Analyzer

#### SGHA-P2

Sensor Gas Chromatograph (SGC) uses a highly sensitive semiconductor gas sensor as a gas detector. The original built-in column is small, enabling the sample gases to be very sensitive and quick separation.

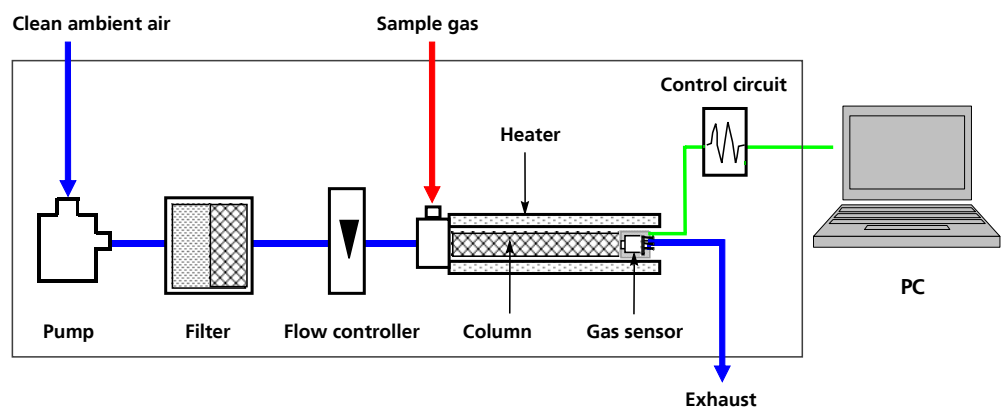


PC is not included.

### Features

- Highly sensitive to the target gas
- Easy operation, just push the switch to start the measurement
- Short time measurement (4 min)
- Attached software displaying output signal and gas concentration
- No complicated maintenance and calibration are required
- Small size: 260(W) x 135(H) x 340(D) mm
- Can be customized upon request

### Block diagram



## Specifications

Item	Contents
Model	SGHA-P2
Measurement principle	Gas chromatography using semiconductor gas sensor
Target gases <sup>(*1)</sup>	Hydrogen, Carbon monoxide, Methane
Measurement concentration	Hydrogen: 1 to 150ppm <sup>(*2)</sup> Carbon monoxide: 1 to 150ppm Dimethyl sulfide: 1 to 150ppm
Minimum display resolution	0.1ppm
Warm-up time	5 to 60 min <sup>(*3)</sup>
Measuring time	4 min
Sampling gas amount <sup>(*3)</sup>	2cc
Measurement display	On PC display <sup>(*5)</sup>
Sample injection	Manual injection with a syringe. Auto-start of the measurement <sup>(*6)</sup>
Carrier gas	Pumped and filtered clean ambient air <sup>(*7)</sup>
Output	RS232C <sup>(*8)</sup>
Power supply	100 to 240V AC
Power consumption	Approx. 40VA
Measurement	260(W)×135(H)×340(D) mm
Weight	5.5 kg
Operating Temperature/Humidity	Temperature: 10 to 30°C Relative humidity: lower than 80% (No dew condensation)
Storage Temperature/Humidity	Temperature: -20 to 60°C Relative humidity: 20 to 80% (No dew condensation)

Notes:

- (\*1) Only one gas can be selected. Additional charge for other gas(es).
- (\*2) When Hydrogen-free cylinder air is used, this range will be 50ppb to 150ppm (Option).
- (\*3) Time is automatically adjusted depending on the unit stability.
- (\*4) This amount can be changed within the range of 0.2 to 5cc. This may not be realized due to accuracy requirement.
- (\*5) Exclusive measurement analysis software is attached.
- (\*6) Automatic and continuous sampling is available (option).
- (\*7) Cylinder air is available as carrier gas (option)
- (\*8) USB port on PC can be used with an attached USB-RS232C conversion cable.



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