FIS

Sensor Gas Chromatograph

Sensor Gas Chromatograph

VOC Analyzer

SGVA-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.

Toluene

Styrene

Ethylbenzene

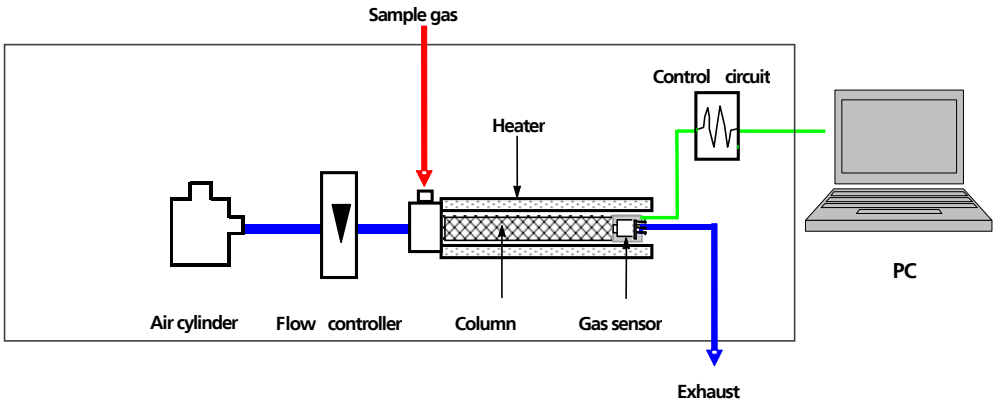
Xylene

PC is not included.

Features

- Highly sensitive to major VOC (ppb order)
- Easy operation, just push the switch to start the measurement
- Short time measurement (8 min)
- Attached software displaying output signal and gas concentration
- No complicated maintenance and calibration are required
- Small size: 260(W) x 135(H) x 435(D) mm
- Can be customized upon request

Block diagram



SGC

Specifications

Item	Contents
Model	SGVA-P2
Measurement principle	Gas chromatography using semiconductor gas sensor
Target gases (*1)	Toluene, Ethylbenzene, Xylene, Styrene
Measurement concentration	Toluene: 5ppb to 1ppm Ethylbenzene: 5ppb to 1ppm Xylene: 5ppb to 1ppm Styrene: 5ppb to 1ppm
Minimum display resolution	0.1ppb
Warm-up time	5 to 60 min (*2)
Measuring time	8 min
Sampling gas amount (*3)	5cc
Measurement display	On PC display (*4)
Sample injection	Manual injection with a syringe. Auto-start of the measurement (*5)
Carrier gas	High purity cylinder air
Output	RS232C (*6)

Power supply	100 to 240V AC
Power consumption	Approx. 40VA
Measurement	260(W)×135(H)×435(D) mm
Weight	6.5 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) Time is automatically adjusted depending on the unit stability.

(*3) This amount can be changed within the range of 0.2 to 5cc. This may not be realized due to accuracy requirement.

(*4) Exclusive measurement analysis software is attached.

(*5) Automatic and continuous sampling is available (option).

(*6) USB port on PC can be used with an attached USB-RS232C conversion cable.

FIS TECHNOLOGY

FIS Inc.
3-36-3, Kitazono, Itami, Hyogo
664-0891, JAPAN
Tel : +81-72-780-1800
Fax : +81-72-785-0073
E-mail : info@fisinc.co.jp
URL : http://www.fisinc.co.jp