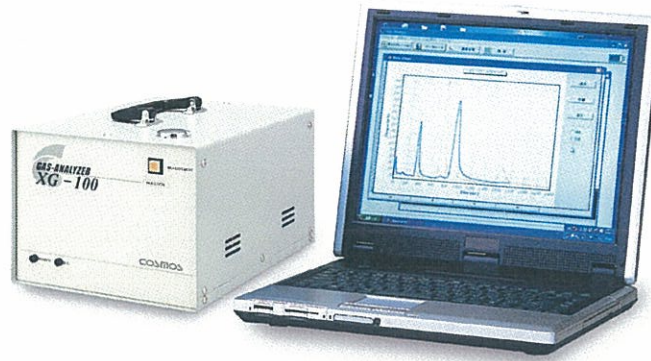


The XG-100 series provides low level analytical measurements and the data analysis in a compact and easy to use system.



### Features & Advantages

- High sensitivity  
Low concentrations of the target gas can be analyzed and measured with high accuracy.
- Ambient air is used as the carrier gas  
Does not require high pressure gas cylinders typically used in gas chromatography.
- Simple operation  
Simply inject the target gas into a gas inlet with a syringe or Auto Sampler Option.
- Auto sampler is available  
Provides sampling automatically.
- Compact size  
Easily transportable to use on site.

### Other functions

- Is powered by 120VAC and data is uploaded to a PC.
- Specifications for the target gases listed in the table below are designed for the detection of a low concentration measurement. Higher concentrations can be measured by using a different sensor.

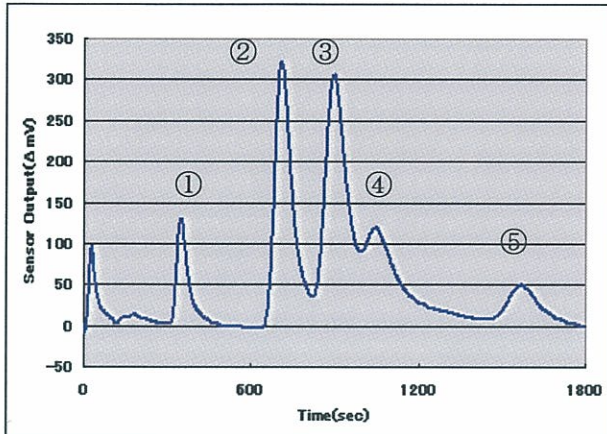
Measureable Gas list

Model name	Target gas	Lowest detection Limit	Other gas	Remark
XG-100V	toluene ethylbenzene xylene styrene	0.001ppm 350sec 0.003ppm 700sec 0.003ppm 800sec 0.003ppm 1400sec	benzene butyl acetate ethyl acetate MIBK trimethyl benzene	Injection Method Syringe injection ○ Auto-sampling ○
XG-100V(S)	benzene toluene	0.02ppm 350sec 0.02ppm 950sec		For measurement of petroleum-based gas Injection Method Syringe injection ○ Auto-sampling × With built-in interference gas purge operation function
XG-100H	hydrogen carbon monoxide methane	0.1ppm 30sec 1ppm 50sec 1ppm 70sec		Injection Method Syringe injection ○ Auto sampling ○ Standard air gas cylinder in the carrier gas
XG-100HC	carbon monoxide	2ppm 150sec(+300sec)m		Injection method for Reforming gas measurement of fuel cell Syringe injection ○ Auto-sampling × With built-in interference gas purge operation function Standard air cylinder as a carrier gas.
XG-100T	methane ethane propane	1ppm 30sec 0.3ppm 90sec 0.5ppm 300sec	ethylene acetylene butane	Injection Method Syringe injection ○ Auto sampling ○
XG-100E	acetaldehyde alcohol acetone	0.02ppm 100sec 0.1ppm 300sec(ethanol) 0.05ppm 480sec	isoprene	Injection Method Syringe injection ○ Auto sampling ○
XG-100S	hydrogen sulfide ethyl mercaptan	0.01ppm 100sec 0.03ppm 550sec	carbonyl sulfide DMS	Injection Method Syringe injection ○ Auto-sampling ○

Other gases may be available upon request.

### Chromatogram for Each Model

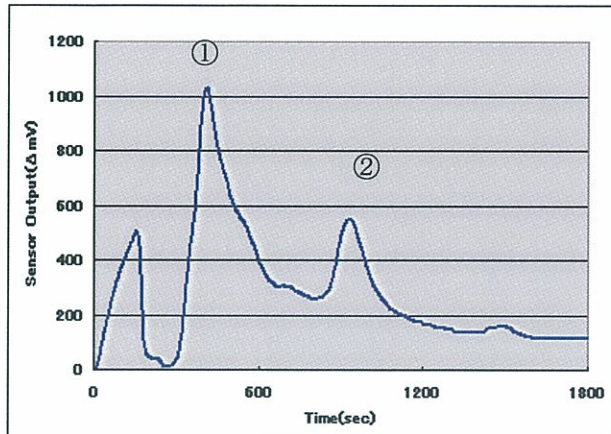
XG-100V



Measurement by a standard gas

- ① toluene 70ppb
- ② ethylbenzene 250ppb
- ③ m-xylene 250ppb
- ④ o-xylene 100ppb
- ⑤ styrene 65ppb

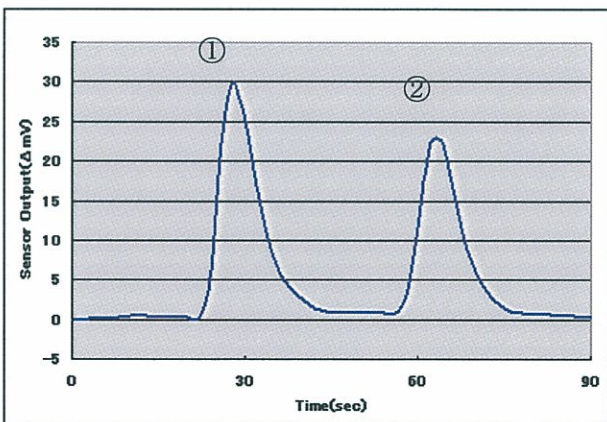
XG-100V(S)



Measurement by a gasoline headspace dilution gas

- ① benzene
- ② toluene

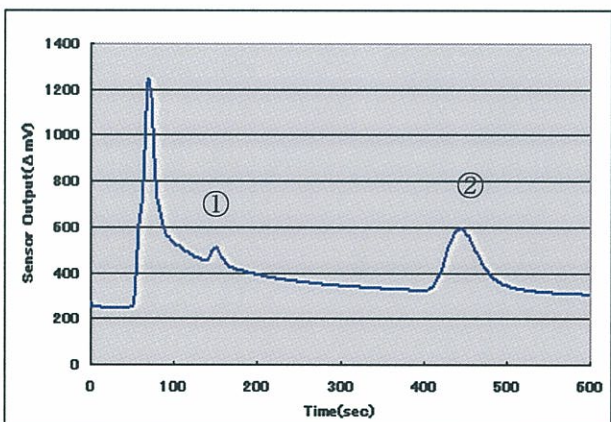
XG-100H



Measurement by a standard gas

- ① hydrogen 5ppm
- ② methane 5ppm

XG-100HC

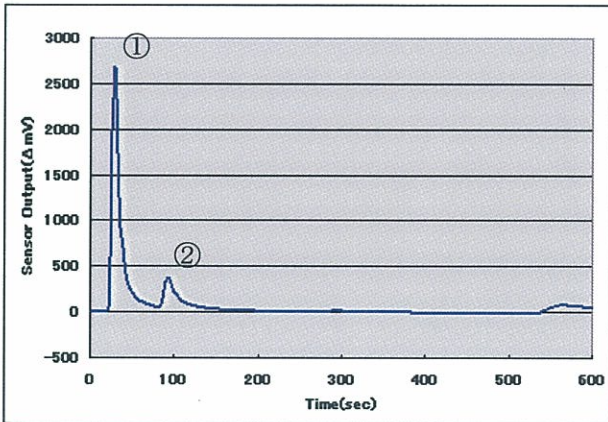


Measurement by a reforming gas

- ① carbon monoxide 4ppm
- ② methane 3%



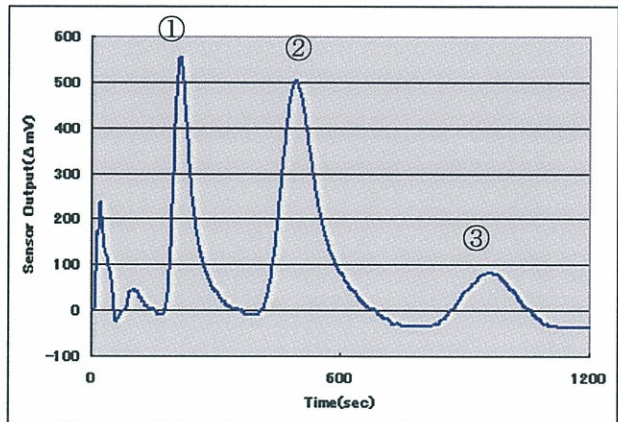
XG-100T



Measurement by city gas (13A, 100ppm)

- ① methane 88ppm
- ② ethane 6ppm

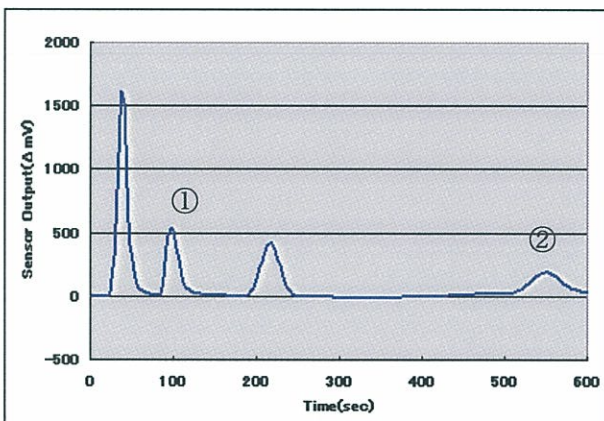
XG-100E



Measurement by a mixed gas

- ① ethanol 0.3ppm
- ② acetone 0.3ppm
- ③ isoprene 0.3ppm

XG-100S



Measurement by a mixed gas

- ① hydrogen sulfide 0.1ppm
- ② methyl mercaptan 0.1ppm