SHIMADZU
Excellence in Science

Application Data Sheet	System Gas Chromatograph
No.68	**Volatile Sulfur Compounds in Gaseous Fuels Analysis System** ## Nexis GC-2030SUL1 ## GC-2014SUL1

This instrument is designed to analyze for volatile sulfur compounds in gaseous fuels. The Sunpak-S packed column of this system can separate sulfide components and hydrocarbons effectively, avoiding the quenching phenomenon which can result in the weakening of the instrument's sensitivity. The method can analyze both inorganic and organic sulfides, providing an ideal solution that can be applied to the analysis of both natural gas and refinery gas as well as liquid sample such as organic solvents. This system may not be suitable for gasoline analysis.

Analyzer Information

System Configuration:
One valve / two packed columns with one FPD detector

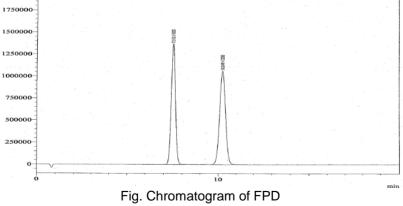**Sample Information:**
H_2S, COS

Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	**High Conc.**	
1	H2S	0.5ppm	50ppm	FPD
2	COS	0.5ppm	50ppm	FPD

Detection limits may vary depending on the sample. Please contact us for more consultation.

System Features

・12 minutes analysis for sulfur gases analysis can be carried out
・One FPD channel
・Good repeatability

Typical Chromatograms

Fig. Chromatogram of FPD

Shimadzu Corporation
www.shimadzu.com/an/