SHIMADZU
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Application Data Sheet

No.65

System Gas Chromatograph

Trace CO and CO_2 Analysis System Nexis GC-2030TCC GC-2014TCC

This system is designed to measure trace amount of carbon monoxide (CO), methane (CH4) and carbon dioxide (CO2) in a gas sample. The sample is loaded into a loop and injected through a 10-port valve automatically. CO and CO2 are reduced to CH4 by means of nickel catalyst and detected by flame ionization detector (FID).

Analyzer Information

System Configuration:
Three valves / Five packed columns with one FID detector with MTN

Sample Information:
CO , CO_2,CH_4

Methods met:
ASTM-D2504

Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	High Conc.	
1	CO	0.5ppm	100ppm	FID+MTN
2	CO2	0.5ppm	100ppm	FID+MTN
3	CH4	0.5ppm	2000ppm	FID

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

System Features

- 20 minutes analysis for CO,CO2 and CH4 analysis can be carried out
- FID channel
- Good repeatability

Typical Chromatograms

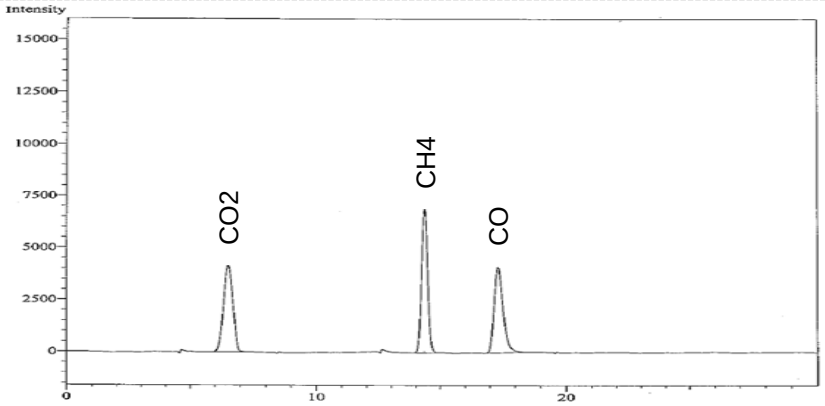

Fig. Chromatogram of FID

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Shimadzu Corporation
www.shimadzu.com/an/