

No.16



Town Gas Analysis Nexis GC-2030TGA4 GC-2014TGA4

The system enables quantitative and qualitative analysis of He, H2, O2, N2, CO, CO2 and C1 to C3 in municipal gas. A fixed volume of gaseous sample is loaded into the GC and individual components of the sample are identified using two thermal conductivity detectors (TCD). The system is equipped with three automated valves. LabSolutions GC workstation system handles all aspects of GC control, automation, and data handling.

System Configuration: I wo valves / three packed columns with TCD detector		tration Range:		
•		Concentration Range		
letector	No.	Name of Compound	Low Conc.	High Conc
	1	He	0.01%	10%
	2	H2	0.01%	10%
	3	O2	0.1%	50%
Sample Information:	4	N2	0.1%	50%
$I_2, O_2, N_2, CO, CO_2, C_1, C_2$	5	CO	0.1%	10%
$1_2, 0_2, 1_2, 00, 00_2, 0_1, 0_2$	6	CH4	0.1%	90%
	7	CO2	0.1%	10%
	8	C2H2	0.1%	40%
	9	C2H4	0.1%	40%
		C2H6 nay vary depending on the sar	0.1%	40%
Calorific value software is available Good separation between CH_4 and CO				
Гуріcal Chromatograms				
uV(x1,000)	ZZ			
		V		
H3 6.5 6.0 5.5 5.0 4.5 4.5 4.5 4.5 4.5 4.5 3.0 2.5 2.0 1.5 1.0 0.5 CO3 0 0 0 0 0 0 0 0 0 0 0 0 0		CH4	co	

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Shimadzu Corporation

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