



1. PERFORMANCE

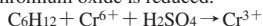
- 1) Measuring range : 0.01-0.6%
Number of pump strokes : 1 (100mL)
- 2) Sampling time : 1 minute / 1 pump stroke
- 3) Detectable limit : —
- 4) Shelf life : 3 years
- 5) Operating temperature : 10~40°C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Orange → Dark green

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

3. CHEMICAL REACTION

Chromium oxide is reduced.



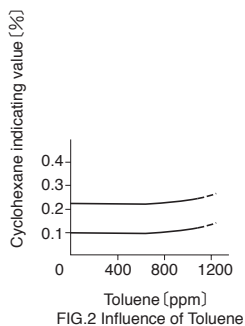
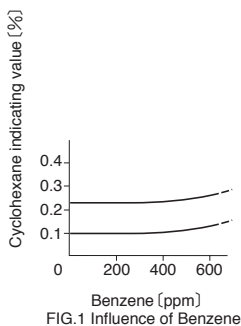
4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance		Interference	ppm	Coexistence
Benzene	FIG.1	Black stain is produced.	400	Higher readings are given.
Toluene	FIG.2	∕	800	∕
Xylene		∕	2,000	∕
Acetylene		Whole layer is changed to dark green.	—	∕
Ethylene		Similar stain is produced.	—	∕
Aliphatic hydrocarbons (more than C ₃)		∕	—	∕

*In presence of Alcohols, Ketones or Esters less than 6%, the accuracy of readings is not affected.



TEMPERATURE CORRECTION TABLE

Tube Readings (%)	Corrected Concentration (%)				
	10°C (50°F)	15°C (59°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
0.6	0.73	0.67	0.60	0.53	0.49
0.5	0.62	0.54	0.50	0.45	0.41
0.4	0.48	0.43	0.40	0.36	0.34
0.3	0.34	0.32	0.30	0.28	0.26
0.2	0.22	0.21	0.20	0.19	0.18
0.1	0.10	0.10	0.10	0.10	0.10
0.05	0.05	0.05	0.05	0.05	0.05
0.01	0.01	0.01	0.01	0.01	0.01