

1. PERFORMANCE

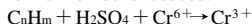
- 1) Measuring range : Refer to under-mentioned table
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 20 sec./1 pump stroke
- 3) Shelf life : 2 years
- 4) Operating temperature : 0 ~ 40 °C
- 5) Reading : Qualitatively
- 6) Colour change : Orange → Black or Dark green

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Chromium oxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Hydrocarbons except Methane and Ethane, Alcohols, Esters, Ketones, Aromatic hydrocarbons and Hydrogen sulphide can be detected qualitatively.

6. DETECTABLE GAS CONCENTRATION TABLE

A : U.S.A
B : U.K.
J : JAPAN

NO.	Classification	Detective Gas	Detectable Limit of Gas Concentration (ppm)	TLV (ppm)
1	Alcohol	Methanol	20	200 (A, B, J)
		I.P.A.	50	400 (A, B, J)
		Butanol	50	50 (A, B, J)
2	Ester	Ethyl Acetate	400	400 (A, B, J)
		Butyl Acetate	200	150 (A, B), 200 (J)
3	Ketone	Acetone	600	750 (A), 1,000 (B), 200 (J)
		M.E.K.	200	200 (A, B, J)
		M.I.B.K.	100	50 (A, J), 100 (B)
4	Aromatic	Benzene	40	10 (A, B, J)
		Toluene	5	100 (A, B, J)
		Xylene	5	100 (A, B, J)
5	Aliphatic	Propane	1,500	—
		Butane	100	800 (A), 600 (B)
		Pentane	10	600 (A, B)
		Hexane	10	50 (A), 100 (B), 40 (J)
		Heptane	5	400 (A, B)
		Octane	5	300 (A, B)
		Acetylene	2500	—
		Ethylene	100	—
		Propylene	10	—
6	Chlorination Hydrocarbon	Trichloroethylene	25	50 (A, J), 100 (B)
		Tetrachloroethylene	200	50 (A, J), 100 (B)
7	Mixed solvent	Gasoline (motor fuel)	10	300 (A), 100 (J)
		Kerosene	8 (mg/m ³)	—
		Mineral Turpentine	8 (mg/m ³)	—
8	Others	Ethyl acrylate	10	5 (A), 25 (B)
		Ether (ethyl)	10	400 (A, B)
		Ethylene oxide	50	1 (A), 5 (B)