

## 1. PERFORMANCE

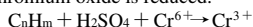
- |                          |                                  |
|--------------------------|----------------------------------|
| 1) Measuring range       | : Refer to under-mentioned table |
| Number of pump strokes   | 1 (100mℓ)                        |
| 2) Sampling time         | : 20 sec./1 pump 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	2,500	—
		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 <sup>3</sup> )	
		Mineral Turpentine	8 (mg/m <sup>3</sup> )	
8	Others	Ethyl acrylate	10	5 (A), 25 (B)
		Ether (ethyl)	10	400 (A, B)
		Ethylene oxide	50	1 (A), 5 (B)