

1. PERFORMANCE

- 1) Measuring range : 5-60 ppm
Number of pump strokes : 2 (200mℓ)
- 2) Sampling time : 3 minutes/2 pump strokes
- 3) Detectable limit : 0.5 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : Yellow → Pale blue

2. RELATIVE STANDARD DEVIATION

RSD-low : 15% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION

Chromium oxide is reduced.



4. CALIBRATION OF THE TUBE

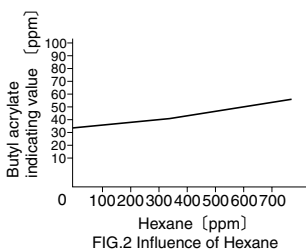
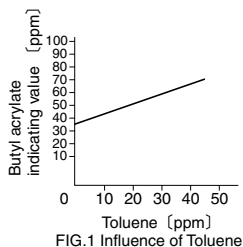
GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
Paraffin hydrocarbons (more than C ₃) FIG.2	Whole reagent is changed to Dark brown.	∕
Halogenated hydrocarbons	∕	∕
Esters	∕	∕
Aromatic hydrocarbons FIG.1	∕	∕

(NOTE)

Butyl acrylate have the same sensitivity at 20 °C to Methyl acrylate.



TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
60	105	80	60	45	32
40	68	54	40	30	22
20	32	26	20	15	11
10	15	13	10	8	5
5	8	7	5	4	3