

1. PERFORMANCE

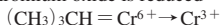
- 1) Measuring range : 50-1,200 ppm
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Graduations printed on the tube are calibrated by n-Hexane at 1 pump stroke and Isobutane concentration is determined by using a conversion chart.
- 7) Colour change : Orange → Yellowish green

2. RELATIVE STANDARD DEVIATION

RSD-low : 10 % RSD-mid. : 10 % 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
Alcohols	Similar stain is produced.	6 %	Higher readings are given.
Ketones	//	//	//
Esters	//	//	//
Aromatic hydrocarbons FIG.1.2			The top of the discoloured layer is stained to Black and higher readings are given.
Aliphatic hydrocarbons (more than C ₃)	Similar stain is produced.		Higher readings are given.

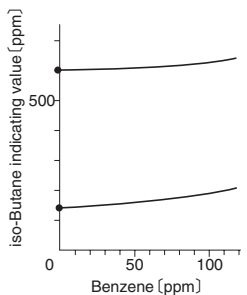


FIG.1 Influence of Benzene

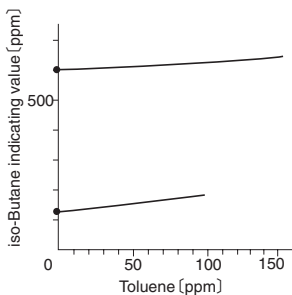
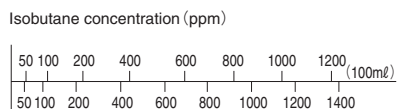


FIG.2 Influence of Toluene



No. 113SB Tube reading (ppm)