

1. PERFORMANCE

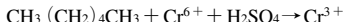
- 1) Measuring range : 50-1,400 ppm
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 5 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Orange → Yellowish green

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Chromium oxide is reduced.



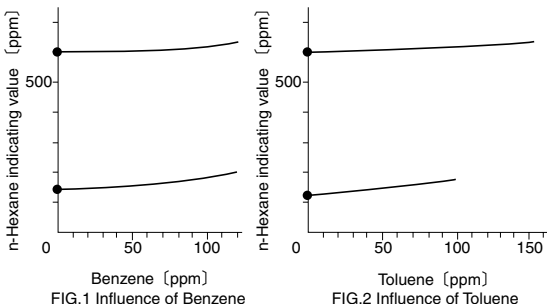
4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Aromatic hydrocarbons FIG.1,2	Black stain is produced.	Higher readings are given.
Paraffin hydrocarbons (more than C ₃)	Similar stain is produced.	∕

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



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)
1,400	1,730	1,530	1,400	1,270	1,180
1,200	1,470	1,320	1,200	1,090	1,010
1,000	1,230	1,100	1,000	910	840
800	980	870	800	720	670
600	740	660	600	550	500
400	470	430	400	360	330
200	220	210	200	180	170
100	100	100	100	100	100