

1. PERFORMANCE

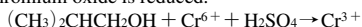
- 1) Measuring range : 5-100 ppm
Number of pump strokes 3 (300mℓ)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 3 pump strokes
- 8) Colour change : Yellow → Pale blue

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	ppm	Interference	Coexistence
Alcohols FIG.1		Similar stain is produced.	Higher readings are given.
Toluene FIG.2	200	Whole reagent is changed to Pale blue.	∕
Hexane	1,000	The accuracy of readings is not affected.	The accuracy of readings is not affected.
Trichloroethylene	∕	∕	∕
Ethyl acetate	∕	∕	∕

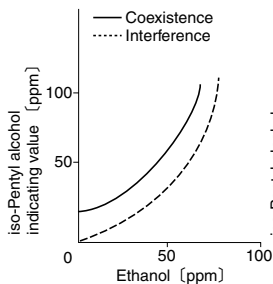


FIG.1 Influence of Ethanol

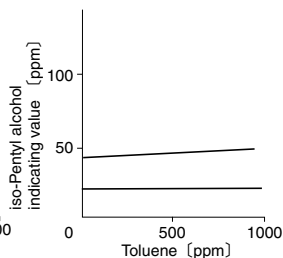


FIG.2 Influence of Toluene

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)
100	—	—	100	80	70
80	—	—	80	65	55
60	—	83	60	50	45
40	90	50	40	33	30
20	32	23	20	16	15
10	14	11	10	9	8
5	5	5	5	5	5