

1. PERFORMANCE

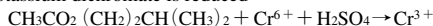
- 1) Measuring range : 10-400 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 4 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Pale yellow → Pale blue (The top of discoloured layer is Brown, but read at the top of Pale blue.)

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Potassium dichromate is reduced

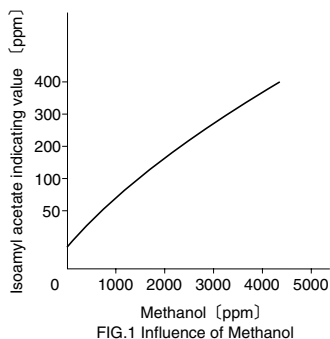


4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Esters	Similar stain is produced.	Higher readings are given.
Alcohols FIG.1	∕	∕
Ketones	∕	∕
Aromatic hydrocarbons	Whole reagent is changed to Pale brown.	∕



TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)						
	10 °C (50 °F)	15 °C (59 °F)	20 °C (68 °F)	25 °C (77 °F)	30 °C (86 °F)	35 °C (95 °F)	40 °C (104 °F)
400	—	—	400	240	190	160	140
300	—	—	300	200	160	140	120
200	—	360	200	150	125	110	95
150	—	230	150	120	100	90	80
100	—	135	100	85	75	67	60
50	80	60	50	45	40	35	35
30	40	35	30	30	25	25	25
10	10	10	10	10	10	10	10