

1. PERFORMANCE

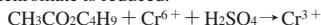
- 1) Measuring range : 10-400 ppm
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading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

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Dichromate is reduced.

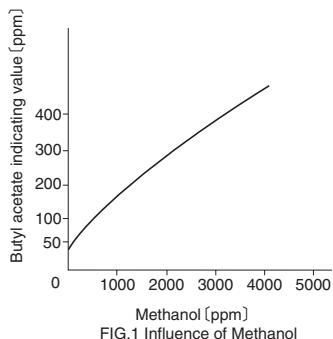


4. CALIBRATION OF THE TUBE

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

Tube Readings (ppm)	Corrected Concentration (ppm)						
	10 C (50 F)	15 C (59 F)	20 C (68 F)	25 C (77 F)	30 C (80 F)	35 C (95 F)	40 C (95 F)
400	—	—	400	235	180	145	120
300	—	—	300	185	145	120	100
200	—	345	200	140	110	95	80
150	—	255	150	115	95	80	70
100	—	145	100	80	70	60	50
50	90	65	50	40	35	30	30
30	45	35	30	25	25	20	20
20	25	25	20	20	15	15	15
10	15	15	10	10	5	5	5