

1. PERFORMANCE

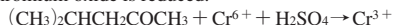
- 1) Measuring range : 5-300 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow → Pale blue

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
Alcohols	Similar stain is produced.	Higher readings are given.
Ethers	∕	∕
Aliphatic hydrocarbons (more than C ₃)	Whole reagent is changed to Pale brown.	∕
Aromatic hydrocarbons	∕	∕
Esters	∕	∕
Ketones	∕	∕
Halogenated hydrocarbons	∕	∕

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
300	—	—	300	230	190
250	—	380	250	195	165
200	—	290	200	155	130
150	355	210	150	120	100
100	220	130	100	80	70
50	90	65	50	40	35
30	55	40	30	25	25
10	15	10	10	8	8
5	7	5	5	5	5