

1. PERFORMANCE

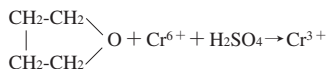
- 1) Measuring range : 20-400 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : 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. : 10 % 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	∕	∕
Esters	Whole reagent is changed to Pale brown.	∕
Ketones	∕	∕
Aromatic hydrocarbons	∕	∕
Aliphatic hydrocarbons (more than C ₃)	∕	∕
Halogenated hydrocarbons	∕	∕

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)			
	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
500	680	500	390	320
400	540	400	320	250
300	400	300	240	190
200	260	200	160	130
150	190	150	120	90
100	130	100	80	60
50	60	50	40	30
20	30	20	20	10