

1. PERFORMANCE

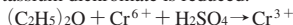
- 1) Measuring range : 20-400 ppm
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Pale yellow → Pale blue

2. RELATIVE STANDARD DEVIATION

RSD-low : 15 % RSD-mid : 10 % 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
Alcohols	Similar stain is produced.	Higher readings are given.
Esters	∕	∕
Ketones	∕	∕
Aromatic hydrocarbons	Whole reagent is changed to Pale brown.	∕

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)
400	640	400	290	230
300	480	300	220	180
200	320	200	150	120
150	240	150	110	90
100	160	100	80	60
50	90	50	40	30
20	40	20	20	10