

1. PERFORMANCE

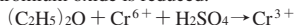
- 1) Measuring range : 0.04-1.4 %
Number of pump strokes 1 (100ml)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 0.001 % (10 ppm)
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Orange → Dark green

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	ppm	Coexistence
Acetylene		3 %	Whole reagent is changed to Brown.
Propane		0.2 %	〃
Other organic gases and vapours except Halogenated hydrocarbons	Similar stain is produced.	50	Higher readings are given.

TEMPERATURE CORRECTION TABLE

Tube Readings (%)	Corrected Concentration (%)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
1.4	1.8	1.6	1.4	1.3	1.1
1.2	1.5	1.4	1.2	1.1	0.9
1.0	1.2	1.1	1.0	0.9	0.8
0.8	0.9	0.9	0.8	0.7	0.6
0.6	0.6	0.6	0.6	0.6	0.5
0.5	0.5	0.5	0.5	0.5	0.4
0.4	0.4	0.4	0.4	0.4	0.3
0.3	0.3	0.3	0.3	0.3	0.3