

## 1. PERFORMANCE

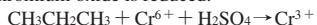
- 1) Measuring range : 0.02-0.5 %
- Number of pump strokes : 1 (100ml)
- 2) Sampling time : 4 minutes/1 pump stroke
- 3) Detectable limit : 0.002% (20 ppm)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Orange → Brown

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 15 %    RSD-mid. : 15 %    RSD-high : 15 %

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Toluene	Similar stain is produced.	Higher readings are given.
Hexane	∕	∕
Trichloroethylene	∕	∕
Ethyl alcohol	The accuracy of readings is not affected.	

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)
0.50	0.40	0.45	0.50	0.60	—
0.40	0.33	0.37	0.40	0.50	0.65
0.30	0.26	0.28	0.30	0.35	0.42
0.25	0.21	0.23	0.25	0.28	0.32
0.20	0.17	0.19	0.20	0.22	0.26
0.15	0.13	0.14	0.15	0.16	0.19
0.10	0.09	0.10	0.10	0.11	0.13
0.05	0.05	0.05	0.05	0.05	0.05