

## 1. PERFORMANCE

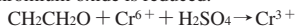
- 1) Measuring range : 5-100 ppm  
Number of pump strokes : 3 (300mℓ)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : 3 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 3 pump strokes
- 8) Colour change : Yellow → Pale blue

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 5 %    RSD-mid. : 5 %    RSD-high : 5 %

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



## 4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
Ethers	∕	∕
Esters	∕	∕
Ketones	∕	∕
Aliphatic hydrocarbons (more than C <sub>3</sub> )	∕	∕
Aromatic hydrocarbons	∕	∕
Halogen hydrocarbons	∕	∕

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)							
	10 °C (50 °F)	15 °C (59 °F)	20 °C (68 °F)	25 °C (77 °F)	30 °C (86 °F)	35 °C (95 °F)	40 °C (104 °F)	
100	70	79	100	122	—	—	—	
80	57	64	80	97	120	—	—	
60	44	48	60	73	92	115	140	
40	31	33	40	46	60	78	92	
30	25	26	30	33	40	50	60	
20	17	18	20	22	26	28	30	
10	9	10	10	10	10	11	11	
5	5	5	5	5	5	5	5	