

## 1. PERFORMANCE

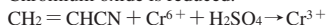
- 1) Measuring range : 10-500 ppm
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION COEFFICIENT TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow → Pale blue

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



## 4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Alcohols	Similar stain is produced.		Higher readings are given.
Esters	∕		∕
Ketones	∕		∕
Aromatic hydrocarbons	∕		∕
Halogenated hydrocarbons			If the maximum end point of Pale blue stain is discernable, the accuracy of the readings is not affected.

TEMPERATURE CORRECTION COEFFICIENT TABLE

Tube Readings (ppm)	Correction Coefficient			
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)
500	—	—	1.00	0.90
400	—	1.25	1.00	0.90
300	1.60	1.25	1.00	0.90
200	1.60	1.25	1.00	0.90
100	1.55	1.25	1.00	0.90
50	1.34	1.20	1.00	0.94
30	1.30	1.17	1.00	0.97
10	1.30	1.10	1.00	1.00