

1. PERFORMANCE

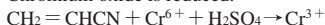
- 1) Measuring range : 10-500 ppm
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION COEFFICIENT TABLE")
- 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)	40 °C (104 °F)
500	—	—	1.00	0.90	0.78
400	—	1.25	1.00	0.90	0.78
300	1.60	1.25	1.00	0.90	0.78
200	1.60	1.25	1.00	0.90	0.78
100	1.55	1.25	1.00	0.90	0.80
50	1.34	1.20	1.00	0.94	0.88
30	1.30	1.17	1.00	0.97	0.90
10	1.30	1.10	1.00	1.00	0.90