

1. PERFORMANCE

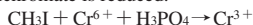
- 1) Measuring range : 500-15,000 ppm
Number of pump strokes : 1/2 (50mℓ)
- 2) Sampling time : 45 seconds/1/2 pump strokes
- 3) Detectable limit : 75 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1/2 pump stroke
- 8) Colour change : Yellowish orange → Brownish green

2. RELATIVE STANDARD DEVIATION

RSD-low : 10 % RSD-mid. : 5 % RSD-high : 5 %

3. CHEMICAL REACTION

Bichromate is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	%	Interference
Carbon dioxide	60	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 (80 °F)	40 °C (104 °F)
15000	19500	17250	15000	12325	9650
14000	18200	16100	14000	11525	9050
13000	16900	14950	13000	10750	8500
12000	15600	13800	12000	9950	7900
11000	14300	12650	11000	9200	7400
10000	13000	11500	10000	8400	6800
9000	11700	10350	9000	7600	6200
8000	10400	9200	8000	6800	5600
7000	9100	8050	7000	6000	5000
6000	7800	6900	6000	5150	4300
5000	6500	5750	5000	4350	3700
4000	5200	4600	4000	3540	3080
3000	3900	3450	3000	2750	2500
2000	2500	2250	2000	1960	1920
1000	1060	1030	1000	1000	1000
500	500	500	500	500	500