

1. PERFORMANCE

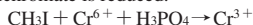
- 1) Measuring range : 500-15,000 ppm
Number of pump strokes : 1/2 (50m ℓ)
- 2) Sampling time : 45 seconds/1/2 pump strokes
- 3) Detectable limit : 75 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 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 |