



## 1. PERFORMANCE

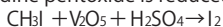
- 1) Measuring range : 0.4-8 ppm 1-20 ppm 2.5-50 ppm
- Number of pump strokes : 2(200mL) 1(100mL) 1/2(50mL)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 0.2 ppm(200mL)
- 4) Shelf life : 1 year (Necessary to store in refrigerated conditions ; 0~10°C)
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary ( See "TEMPERATURE CORRECTION TABLE" )
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Gray

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 15% RSD-mid. : 10% RSD-high : 5%

## 3. CHEMICAL REACTION

Iodine pentoxide is reduced.



## 4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Carbon dioxide	The accuracy of readings is not affected.	50%	The accuracy of readings is not affected.
Methyl bromide	//	1	//
Acetone	//	200	//
Hexane	//	200	//
Hydrogen sulphide		0.5	Higher readings are given.
1,3-Dichloropropene		0.1	//
Toluene			Lower readings are given.

(NOTE)

- 1) In case of 1/2 pump strokes, following formula is available for the actual concentration.  
Actual concentration = 2.5 × Temperature corrected value
- 2) In case of 2 pump strokes, following formula is available for the actual concentration.  
Actual concentration = 0.4 × Temperature corrected value

### TEMPERATURE CORRECTION TABLE

Temperature : To correct for temperature, multiply the tube reading by the following factors.

Pump stroke	Temperature(°C)	0	5	10	15	20	25	30	35	40
1	Coefficient	1.55	1.32	1.15	1.00					
1/2		2.20	1.80	1.50	1.20	1.00				
2		1.30	1.22	1.15	1.00		1.15	1.22	1.30	