



## 1. PERFORMANCE

- 1) Measuring range : 10-500 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 3 ppm
- 4) Shelf life : 1.5 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (0 ~ 20 °C) (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Brown

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

Iodine pentoxide is reduced.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Benzene	Similar stain is produced.		Higher readings are given.
Toluene	∕		∕
Xylene	∕		∕
Methanol	The accuracy of readings is not affected.	1 %	∕
Hexane	Pale brown stain is produced.	0.1 %	The maximum end point of the stain is indiscernable and higher readings are given.

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)			
	0 °C (32 °F)	5 °C (50 °F)	10 °C (68 °F)	20 °C (86 °F)
500	—	—	600	500
400	590	520	465	400
300	390	360	330	300
200	240	225	215	200
100	120	112	105	100