



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