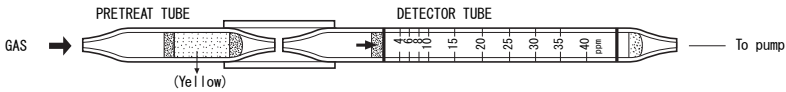


METHYL IODIDE



1. PERFORMANCE

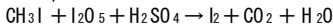
- 1) Measuring range : 4-40 ppm 2-20 ppm
Number of pump strokes 2(200mL) 4(400mL)
- 2) Sampling time : 4 minutes/2 pump strokes
- 3) Detectable limit : 0.5 ppm(400mL)
- 4) Shelf life : 1.5 years
- 5) Operating temperature : 10~40°C
- 6) Temperature compensation : Necessary(See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : White→Grey

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Iodine pentoxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Acetone	Similar stain is produced.	700	Higher readings are given.
Hydrogen sulphide FIG. 1	"	7	"
Hexane FIG. 2	"	500	"
Benzene		2	Lower readings are given.
Toluene		2	"
Xylene		2	"
Halogenated hydrocarbons			Double-layer stain is produced and readings will be affected.

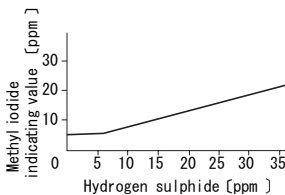


FIG. 1 Influence of Hydrogen sulphide

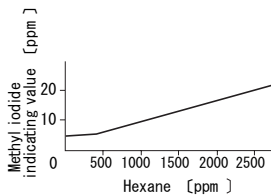


FIG. 2 Influence of Hexane

TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)				
	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
40	—	—	40	46	52
35	—	52	35	42	49
30	54	39	30	37	44
25	37	27	25	25	23
20	30	22	20	23	30
15	24	17	15	17	24
10	17	11	10	12	17
5	10	5	5	5	10

(NOTE)

In case of 4 pump strokes, following formula is available for the actual concentration.

Actual concentration = 1/2 × Temperature corrected value