

1. PERFORMANCE

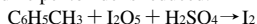
- 1) Measuring range : 10-500 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 ℃
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : 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	ppm	Interference	ppm	Coexistence
Benzene		Brownish green stain is produced.	10	The top of discoloured layer becomes unclear and higher readings are given.
Xylene FIG.1	5	Similar stain is produced.	20	Higher readings are given.
Ethyl benzene FIG.2	5	∕	10	∕
Hexane	0.1%	Whole layer is discoloured to Pale brown.	0.1%	∕
Methyl alcohol		The accuracy of readings is not affected.	1%	∕

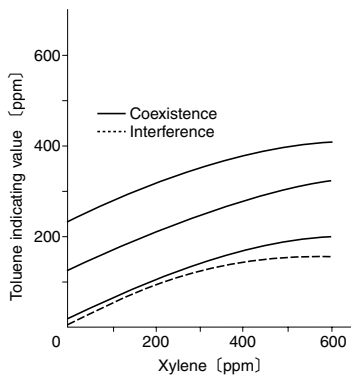


FIG.1 Influence of Xylene

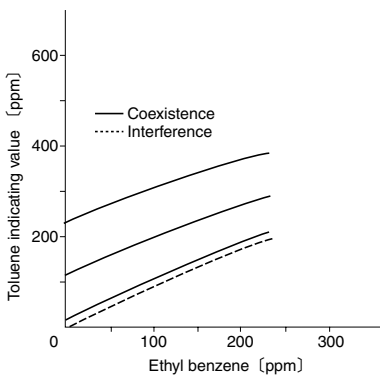


FIG.2 Influence of Ethyl benzene