

## 1. PERFORMANCE

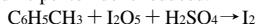
- 1) Measuring range : 10-500 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 ℃
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : 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%	∕

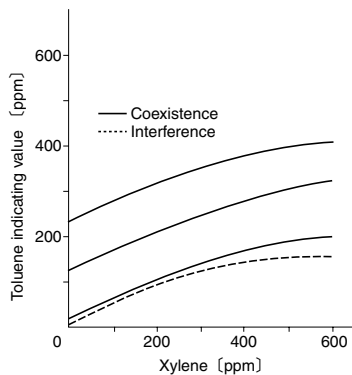


FIG.1 Influence of Xylene

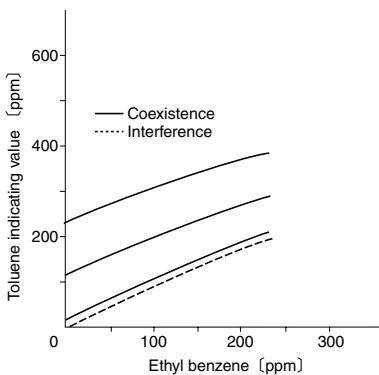


FIG.2 Influence of Ethyl benzene