

1. PERFORMANCE

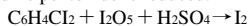
- 1) Measuring range : 5-100 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : White → Yellow

2. RELATIVE STANDARD DEVIATION

RSD-low : 15% 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	Coexistence
Alcohols	Similar stains are produced.	Higher readings are given.
Paraffin hydrocarbons (more than C ₃) FIG.3	Whole reagent is changed to Dark brown.	∕
Halogenated hydrocarbons	∕	∕
Esters	∕	∕
Aromatic hydrocarbons FIG.1,2	∕	∕

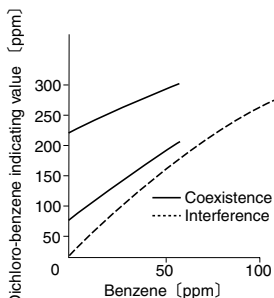


FIG.1 Influence of Benzene

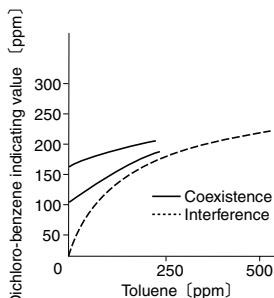


FIG.2 Influence of Toluene

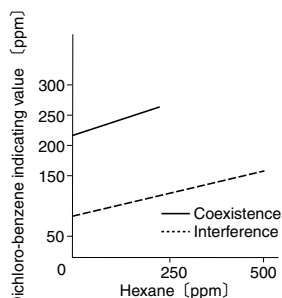


FIG.3 Influence of Hexane