

1. PERFORMANCE

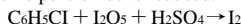
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|--------------------------|---|-----------|
| 1) Measuring range | : 5-140 ppm | 1-5 ppm |
| Number of pump strokes | 1 (100mℓ) | 5 (500mℓ) |
| 2) Sampling time | : 2 minutes/1 pump stroke | |
| 3) Detectable limit | : 0.5 ppm (500mℓ) | |
| 4) Shelf life | : 1 year | |
| 5) Operating temperature | : 0 ~ 40 °C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : White → Pale brown | |

2. RELATIVE STANDARD DEVIATION

RSD-low : 20% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION

Iodine pent-oxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Ethyl benzene	Similar stain is produced.		Higher readings are given.
Toluene FIG.1	∕		∕
Xylene FIG.2	∕		∕
Benzene	∕		∕
Carbon monoxide FIG.3	Whole reagent is changed to the similar stain's colour.	50	∕
Hexane	∕	100	∕

(NOTE)

When the concentration is below 5 ppm, 5 pump strokes can be used to determine the lower concentration.

Following formula is available for the actual concentration.

Actual concentration = 1/5 × Reading value

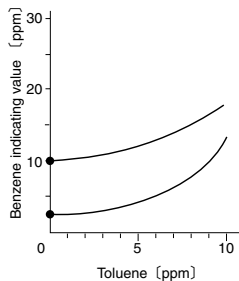


FIG.1 Influence of Toluene

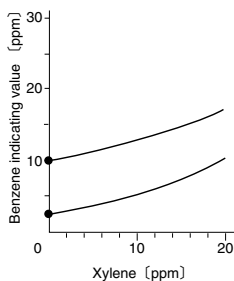


FIG.2 Influence of Xylene

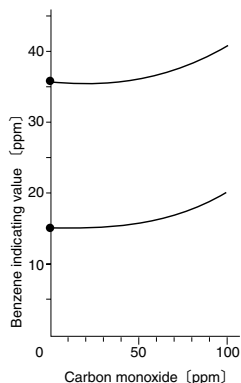


FIG.3 Influence of Carbon monoxide