

## 1. PERFORMANCE

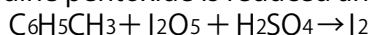
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|--------------------------|---|
| 1) Measuring range       | : 85-1,700 $\mu\text{/m}^3$   |
| 2) Sampling volume       | : 9L (300mL/min $\times$ 30min)   |
| 3) Sampling time         | : 30 minutes  |
| 4) Detectable limit      | : —   |
| 5) Shelf life            | : 1 year (Necessary to store in refrigerated conditions; 0~10°C)  |
| 6) Operating temperature | : 5~35°C  |
| 7) Operating humidity    | : Below 16mg/L (0~70%R.H. at 25°C, 0~40%R.H. at 35°C)   |
| 8) Reading               | : The tube scales are calibrated based on Toluene at sampling volume of 300mL/min $\times$ 30min and Ethyl benzene concentration is determined by multiplying the tube reading by 0.85 at sampling volume of 300mL/min $\times$ 30min |
| 9) Colour change         | : White $\rightarrow$ Brown   |

## 2. RELATIVE STANDARD DEVIATION

RSD-low : — RSD-mid. : — RSD-high : —

## 3. CHEMICAL REACTION

Iodine pentoxide is reduced and Iodine is liberated.



## 4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Formaldehyde	The accuracy of readings is not affected.	The accuracy of readings is not affected.
p-Dichlorobenzene	//	//
Styrene	Similar stain is produced.	Higher readings are given.

(NOTE)

Air sampler is required for this tube.