

## 1. PERFORMANCE

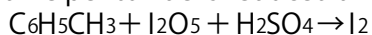
- |                          |   |                                |
|--------------------------|---|--------------------------------|
| 1) Measuring range       | : 100-2,000 $\mu/m^3$   | 50-1,000 $\mu/m^3$             |
| 2) Sampling volume       | : 9L (300mL/min $\times$ 30min)   | 18L (300mL/min $\times$ 60min) |
| 3) Sampling time         | : 30 minutes  | 60 minutes                     |
| 4) Detectable limit      | : 20 $\mu/m^3$  |                                |
| 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               | : Direct reading from the scale calibrated at sampling volume of 300mL/min $\times$ 30min |                                |
| 9) Colour change         | : White $\rightarrow$ Brown   |                                |

## 2. RELATIVE STANDARD DEVIATION

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

## 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.

For 18L sampling, replace the pre-treat tube after 9L sampling is over to avoid a breakthrough of the pre-treat tube, then continue another 9L sampling.