



1. PERFORMANCE

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|--------------------------|---|---------------------------------|
| 1) Measuring range | : 140-1,400 $\mu\text{g}/\text{m}^3$ | 70-210 $\mu\text{g}/\text{m}^3$ |
| 2) Sampling volume | : 9L (300mL/min \times 30min) | 18L (300mL/min \times 60min) |
| 3) Sampling time | : 30 minutes | 60 minutes |
| 4) Detectable limit | : — | |
| 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 Xylene concentration is determined by multiplying the tube reading by 1.4 at sampling volume of 300mL/min \times 30min and by 0.7 at sampling volume of 300mL/min \times 60min | |
| 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.

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.