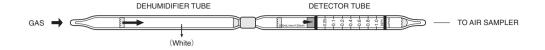
XYLENE



1. PERFORMANCE

7) Colour change

1) Measuring range : 0.1-1.4 ppm

2) Sampling time : $200\text{m}\ell/\text{min} \times 20\text{min}$

3) Detectable limit : 0.01 ppm

4) Shelf life : 1 year (Necessary to store in refrigerated conditions; $0 \sim 10 \, ^{\circ}\text{C}$)

5) Operating temperature : $5 \sim 35 \,^{\circ}\text{C}$

6) Reading : Scales printed on the tube are calibrated by Toluene at the sampling of

 $200 m\,\ell \times 20 min$ and Xylene concentration is determined by using

a conversion chart.
∴ White→Brown

2. RELATIVE STANDARD DEVIATION

RSD-low: 5 % RSD-mid.: 10 % RSD-high: 10 %

3. CHEMICAL REACTION

Iodine pentoxide is reduced and Iodine pentoxide is liberated.

 $C_6H_5CH_3 + I_2O_5 + H_2SO_4 \rightarrow I_2$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Toluene	Similar stain is produced.	Higher readings are given.
Ethyl Benzene	"	"

(NOTE)

Air sampler is required for this tube.

