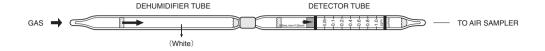
ETHYL BENZENE



1. PERFORMANCE

1) Measuring range $\begin{array}{c} \hbox{:} \ 0.05\text{-}1.2 \text{ ppm} \\ \hbox{:} \ 200\text{m}\ell/\text{min} \times 20\text{min} \\ \end{array}$

3) Detectable limit : 0.01 ppm 4) Shelf life : 1 year (Necessary to store in refrigerated conditions ; $0 \sim 10 \, \text{C}$)

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

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

 $200 \text{m}\,\ell \times 20 \text{min}$ and Ethyl benzene concentration is determined by using

a conversion chart.

7) Colour change : 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. C6H5CH3 + I2O5 + H2SO4→I2

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

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

(NOTE)

Air sampler is required for this tube.

