Tube No.
143SA   XYLENE

GAS ➡ [diagram of detector tube with scale: 5 10 30 50 100 200 400 600 800 1000 ppm, 200mL, Kitagawa JAPAN] ——— To pump

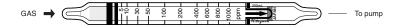## 1. PERFORMANCE

1) Measuring range ： 5-1,000 ppm
   Number of pump strokes   2（200mℓ）
2) Sampling time ： 4 minutes／2 pump strokes
3) Detectable limit ： 2 ppm
4) Shelf life ： 1.5 years
5) Operating temperature ： 0～40℃
6) Reading ： Direct reading from the scale calibrated by 2 pump strokes
7) Colour change ： White→Brown

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Iodine pentoxide is reduced.
$$C_6H_4(CH_3)_2 + I_2O_5 + H_2SO_4 \rightarrow I_2$$

4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Benzene	Similar stain is produced.		Higher readings are given.
Toluene	〃		〃
Ethyl Benzene	〃		〃
Methyl alcohol	The accuracy of readings is not affected.	1％	〃
Hexane	Whole layer is discoloured to Pale brown.	0.1％	Higher readings with indiscernible maximum end point of stained layer are given.