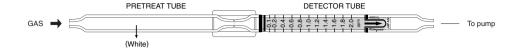
1,3-BUTADIENE



1. PERFORMANCE

1) Measuring range Number of pump strokes 2) Sampling time : $0.1-2.0 \text{ ppm} \ 4(400\text{m}\ell) \ 1(100\text{m}\ell)$: 12 minutes/4 pump strokes

3) Detectable limit $0.02 \text{ ppm } (400 \text{m} \ell)$ 4) Shelf life 3 years5) Operating temperature $0 \sim 40 \,^{\circ}\text{C}$

6) Reading : Direct reading from the scale calibrated by 4 pump strokes

7) Colour change : Pink→White

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Potassium permanganate is reduced.

 $CH_2 = CHCH = CH_2 + KMnO_4 \rightarrow White reaction products$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Hydrogen sulphide	Similar stain is produced.	Higher readings are given.
Isobutylene	"	"
Ammonia	The accuracy of readings is not affected.	Higher readings with unclear maximum point of stained layer will be given.