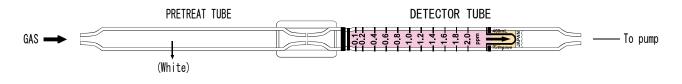
1,3-BUTADIENE



1. PERFORMANCE

1) Measuring range : 0.1-2.0 ppm 0.5-10.0 ppm Number of pump strokes 4(400mL) 1(100mL) 2) Sampling time : 12 minutes/4 pump strokes

3) Detectable limit : 0.02 ppm(400mL)

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 \rightarrow White

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Permanganate is reduced.

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

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | Coexistence |
|-------------------|----------------------------|--|
| Hydrogen sulphide | Similar stain is produced. | Higher readings are given. |
| Isobutylene | // | // |
| Ammonia | | Higher readings with unclear maximum point of stained layer will be given. |