



## 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 years  |              |
| 5) Operating temperature | : 0 ~ 40 °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.

$\text{CH}_2 = \text{CH} - \text{CH} = \text{CH}_2 + \text{KMnO}_4 \rightarrow \text{White reaction products}$

## 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		Higher readings with unclear maximum point of stained layer will be given.