



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

Permanganate is reduced.

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

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.