



1. PERFORMANCE

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|--------------------------|--|--------------|
| 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.

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

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	The accuracy of readings is not affected.	Higher readings with unclear maximum point of stained layer will be given.