

Tube No.
157SD

METHYL BROMIDE



1. PERFORMANCE

- | | | | |
|--------------------------|---|------------|-------------|
| 1) Measuring range | : 8.8-22 ppm | 0.5-10 ppm | 0.1-0.5 ppm |
| Number of pump strokes | 1/2 (50mℓ) | 1 (100mℓ) | 3 (300mℓ) |
| 2) Sampling time | : 2.5 minutes/1 pump stroke, 1.5 minutes/ 1/2 pump strokes | | |
| 3) Detectable limit | : 0.03 ppm (300mℓ) | | |
| 4) Shelf life | : 1 year | | |
| 5) Operating temperature | : 10 ~ 40 °C | | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | | |
| 7) Colour change | : White → Purple | | |

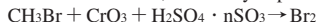
2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By decomposing with an Oxidizer, Bromine is produced.

Bromine reacts with 3,3-Dimethylnaphthidine and Bromine compound is produced.



4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference
Carbon dioxide	The accuracy of readings is not affected.

(NOTE)

1/2 pump strokes can be used with the following formula to measure the range of 8.8-22 ppm;

Actual concentration = $2.2 \times$ Tube reading

3 pump strokes can be used with the following formula to measure the range of 0.1-0.5 ppm;

Actual concentration = $0.2 \times$ Tube reading