# **METHYL BROMIDE**



#### 1. PERFORMANCE

1) Measuring range  $3-70 \text{ g/m}^3$ Number of pump strokes  $1/2 (50 \text{m} \ell)$ 

2) Sampling time : 2 minutes/1/2 pump strokes

3) Detectable limit  $0.6 \text{ g/m}^3$  4) Shelf life 2 years 5) Operating temperature  $24 \sim 45 \text{ °C}$ 

6) Reading : Direct reading from the scale calibrated by 1/2 pump strokes

7) Colour change : Yellow→Brown

### 2. RELATIVE STANDARD DEVIATION

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

#### 3. CHEMICAL REACTION

 $CH_3Br + CrO_3 + I_2O_5 + H_2SO_4 \rightarrow Br_2$  $Br_2 + Pd$  compound  $\rightarrow PdBr_2$ 

## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

#### 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Chloropicrin		100	The bottom of the stained layer becomes light brown, but it does not affect the reading.