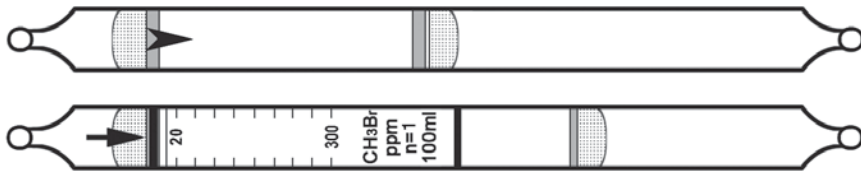


Methyl Bromide CH₃Br No. H-10-131-30



| | Extended Range | Standard Range | Extended Range |
|---------------------|----------------|----------------|----------------|
| Range (ppmv) | 10-150 | 20-300 | 40-600 |
| No. of Pump Strokes | 2 | 1 | 0.5 |
| Sample Volume (mL) | 200 | 100 | 50 |
| Sample Time (min) | 2 x 2 | 2 | 2 x 0.5 |
| Correction Factor | 0.43 | 1 | 2.2 |

Precision (Relative Standard Deviation)*: ≤ ± 15%

Linearity with No. of Pump Strokes: 0.999

Humidity: No effect 0 - 90% RH

Temperature Range: 0 - 40°C (32 - 104°F)

| | | | | | |
|--------------|------|-------|-------|-------|--------|
| Temp (°C/°F) | 0/32 | 10/50 | 20/68 | 30/86 | 40/104 |
| Corr. Factor | 1.7 | 1.3 | 1.0 | 0.8 | 0.7 |

Storage Life: 2 years in darkness at <10°C. Refrigeration preferred.

Color Change: White → Orange-yellow

Reaction Principle: Pretube: 2CH₃Br + I₂O₅ + H₂S₂O₇ → Br₂

Measurement Tube: Br₂ + o-Tolidine → Orange-yellow product

| Cross-sensitivity: Substance | Concentration (ppmv) | Apparent Reading* |
|---------------------------------|-------------------------|-------------------|
| 1,2-Dibromoethane | 300 | 600 |
| 1,3-Dibromopropane | 600 | 700 |
| 1,1,1-Trichloroethane | 300 | 30 |
| Trichloroethylene | 80 | 15 |
| Cl ₂ | 80 | 63 |
| Ethanol | 10000 | 0 |
| Ethyl acetate | 10000 | 0 |
| Acetone | 10000 | 0 |
| CH ₄ | 25000 | 0 |
| CO ₂ | 5000 | 0 |
| CO | 500 | 0 |
| H ₂ S | 500 | 0 |
| SO ₂ | 100 | 0 |
| NO | 460 | 0 |
| NO ₂ | 110 | 0 |

* Data based on Honeywell pumps and tubes used in standard range.

DATA SHEETS