

# Information Data Sheet

**Detector Tube Methyl Bromide-0.2**

**Part No. (US): D7086878**

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## 1. Application

Detection of methyl bromide (bromo methane) in air or in technical gases.

## 2. Detector Tube Sampling Pump

KWIK DRAW Pump, Gas-Tester I/H, Gas-Tester I / ThumbPump-Sampler, Toximeter II / III, or other suitable detector tubes pumps. Observe respective instructions for use.

## 3. Measuring Range

2...8 ppm methyl bromide at n=1A (reverse activation stroke) +2 stroke.

0.2...2 ppm methyl bromide at n=1A (reverse activation stroke) + 5 strokes.

Use correction factor 2.5 on 2 - 8 ppm scale while drawing n=1A (reverse activation stroke) +1 stroke, for measuring 5.... 20 ppm methyl bromide.

## 4. Chemical Reaction and Color Change

Oxidative decomposition of methyl bromide in the pre tube by a chromate/sulphuric acid reagent; forming bromine. Reaction of bromine with o-toluidine in the indicating tube gives coloured product.

Color change: White → orange



## 5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 2 °C and 40 °C (35.6 °F and 104 °F) . Up to 90 % RH water vapor will not affect accuracy of indication.

## 6. Interferences and Cross Sensitivities

- No cross sensitivity with ammonia, phosphine, Ethylene oxide and formaldehyde.
- No interference with Vinyl chloride < 2 ppm, chloropicrin < 0.1 ppm.
- 1,2 Dichloroethane can be detected with correction factor 5.4 on n=5 scale.(Colour change: White to Yellow)
- Ethylene dibromide can be detected with correction factor 1 on n=5 scale.
- When Per or Trichloroethylene is present, then methyl bromide cannot be measured.

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