

Information Data Sheet



Detector Tube Methyl Bromide-2

Part No. (US): 710391

Part No. D5086845

1. Application

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

2. Detector Tube Sampling Pump

UNIPHOS KWIK DRAW (formerly MSA AUER) Gas-Tester[®] IIH, Gas-Tester[®] I / ThumbPump[™]-Sampler, Toximeter[®] II, Uniphos Kwik-Draw[™]-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

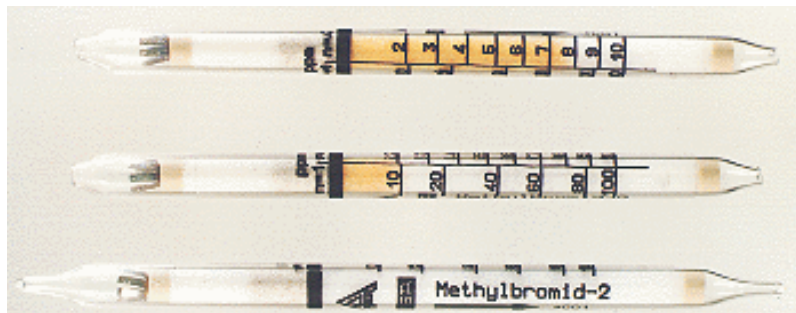
3. Measuring Range

10 ppm ... 100 ppm methyl bromide at n = 1 (1 stroke).
2 ppm ... 10 ppm methyl bromide at n = 6 (6 strokes).

4. Chemical Reaction and Color Change

Oxidative decomposition of methyl bromide in the pre tube by a chromate/sulfuric acid reagent; forming bromine. Oxidation of an aromatic amine by chlorine in the indicating tube.

Color change: white → yellow



5. Ambient Conditions During Sampling

Detector tubes can be used between 0°C and 50°C (32°F and 120°F). Up to 100 % rh water vapor will not affect accuracy of indication.

6. Interferences and Cross Sensitivities

- No interference from:
Hydrogen, methane, ethane, carbon monoxide, carbon dioxide.
- Easily oxidizable halogenated hydrocarbons, halogenes, hydrogen chloride, nitrogen dioxide will be indicated. Sensitivity of indication varies.
- In presence of oxidizable gases and vapors (e.g. hydrocarbons) layer of the pre tube will be consumed.
Methyl bromide indication then may be lower than actually present. High concentrations of oxidizable accompanying substances discolor the layer of pre tube brown → greenish.

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