

Information Data Sheet

Detector Tube Methyl Bromide-200

Part No. (US): 710544

Part No. D5086847

1. Application

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

2. Detector Tube Sampling Pump

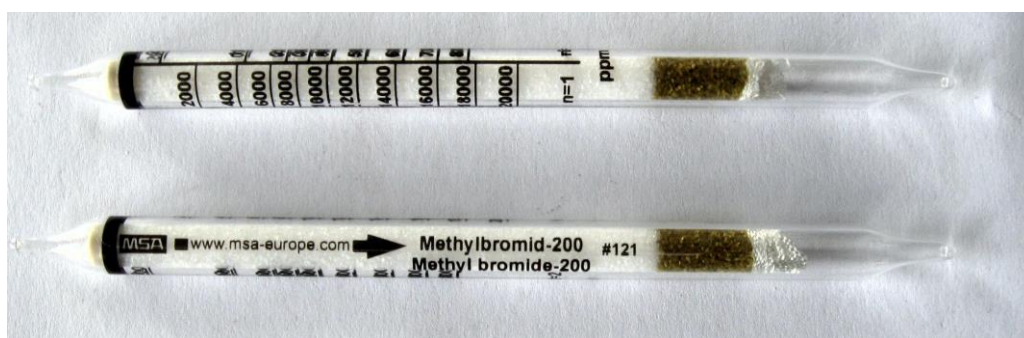
KWIK DRAW (formerly MSA AUER) Gas-Tester[®] IIH, Gas-Tester[®] I / ThumbPump[™]-Sampler, Toximeter[®] II, Uniphos Kwik-Draw[™]-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

3. Measuring Range

200 ppm ... 8000 ppm (1...32g/ m³) methyl bromide at n=2 (2 strokes).
2000 ppm ... 20000 ppm methyl bromide at n=1 (1 stroke).

4. Chemical Reaction and Color Change

Oxidation of methyl bromide by iodine pentoxide in fuming sulfuric acid.
Color change: White → Brown



5. Ambient Conditions During Sampling

Detector tubes can be used between 0 °C and 50 °C

- Up to 100% RH water vapour will not affect accuracy of indication.

6. Interferences and Cross Sensitivities

a) No interference from:

- hydrogen, methane, ethane, carbon dioxide, as well in concentrations above 50 vol. %.
- sulfur dioxide, nitrogen dioxide, propane up to 10 vol. %
- carbon monoxide up to 1000 ppm.

b) Higher saturated hydrocarbons, olefinic hydrocarbons, hydrogen sulfide discolor the protective layer from brown to greenish. At least 3000 ppm of olefinic hydrocarbons (e.g. ethylene) and hydrogen sulfide are retained. Retention is lower for butanes and higher saturated hydrocarbons (e.g. hexanes) Concentrations of hydrocarbons exceeding the protective capacity may be eliminated by adding a charcoal filter tubes Ads (804403).

Manufactured By:

Uniphos Envirotronic Pvt. Ltd (100% EOU)

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- c) Water vapour reduces the protective layer retention capacity, in particular for hydrocarbons.

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Rev.02/Jan17