

Information Data Sheet

Detector Tube Benzene-0.25

Part No. (US): 655837

Part No. D5086852

1. Application

Detection of benzene (C₆H₆) in air or in technical gases.

2. Design

This Detector tube consist of a pre-tube and an indicating tube which are joined together by a piece of tubing.

3. 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.

4. Measuring Range

0.5 ppm ... 10 ppm benzene at 10 pump strokes (n=10)
0.25 ppm ... 5 ppm benzene at 15 pump strokes (n=15).

5. Chemical Reaction and Color Change

Reaction of benzene with formaldehyde / sulfuric acid forming a p-chinoide compound

Color change: White → Brown.



6. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 0 °C and 40 °C (32 °F and 104 °F) and up to 90 % RH (46 g/m³ at 40 °C [104 °F]).

7. Interferences and Cross Sensitivities

- a) No interference from:
- toluene, xylene, ethyl benzene, diethyl benzene, triethyl benzene, styrene up to 100 ppm.
 - n-octane, iso-octane, n-butane, isobutene, pentane up to 1000 ppm.
 - methy (tert.) butyl ether up to 400 ppm.

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