

Information Data Sheet

Detector Tube Formalehyde-0.1

Part No. (US): 497649

Part No. D5086813

1. Application

Detection of formaldehyde (CH₂O) 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.

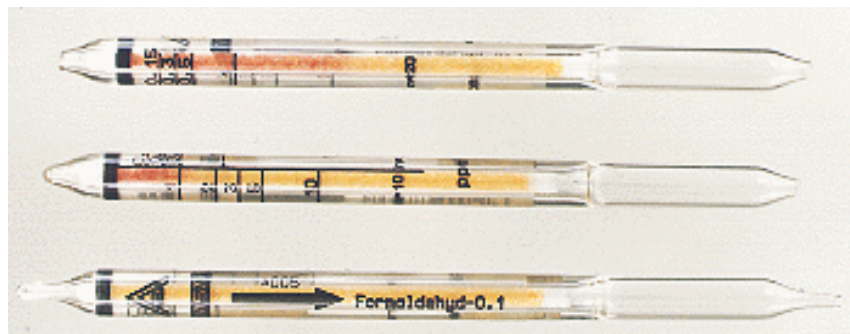
3. Measuring Range

1 ppm ... 10 ppm formaldehyde at n=10 (10 strokes).
0.1 ppm ... 1 ppm formaldehyde at n=20 (20 strokes).

4. Chemical Reaction and Color Change

Reaction of formaldehyde with hydroxylamine phosphate. Change of pH-value causes color change of an acid-base-indicator.

Color change: Yellow → Red.



5. Ambient Conditions During Sampling

• Detector tubes can be used without compensation of the reading between 5 °C and 30 °C (41 °F and 86 °F) and up to 70 % RH (4 - 21 g/m³ at 30 °C [86 °F]).

6. Interferences and Cross Sensitivities

Other aldehydes (e.g. propionaldehyde), ketones (e.g. acetone), acidic gases (e.g. sulfur dioxide, nitrogen dioxide, hydrogen chloride) are also indicated. The sensitivity of indication is different.

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