

Information Data Sheet

Detector Tube HCl-50

Part No. (US): 10010382

Part No. D5086858

1. Application

Detection of hydrogen chloride (hydrochloric acid gas, HCl) in air or technical gases. Hydrochloric acid aerosols are not indicated.

2. Detector Tube Sampling Pump

KWIKDRAW (formerly MSA AUER) Gas-Tester[®] IIH, Gas-Tester[®] I / ThumbPump[™]-Sampler, Toximeter[®] II and Kwik-Draw[™] deluxe pump .Observe respective instructions for use.

3. Measuring Range

50 ppm ... 500 ppm hydrogen chloride at 8 pump strokes (n=8).
500 ppm ... 5000 ppm hydrogen chloride at 1 pump strokes (n=1).

4. Chemical Reaction and Color Change

Change of pH-value causes color change of an acid-base-indicator.

Color change: Blue → Yellow



5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 10 °C and 50 °C (50 °F and 120 °F). Up to 15 g/m³ water vapour [62 % RH at 25 °C (77 °F)] will not affect accuracy of indication.

6. Interferences and Cross Sensitivities

- a) No interference from:
 - hydrogen, methane, ethane, propane, butanes, carbon monoxide, carbon dioxide.
 - higher saturated hydrocarbons, olefinic hydrocarbons ,aromatic hydrocarbons up to 5000 ppm.
 - nitrogen dioxide, sulfur dioxide, hydrogen sulfide within their respective TLV.
- b) Chlorine will be indicated.

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