

Information Data Sheet

Detector Tube HCl-1

Part No. (US): 803948

Part No. D5085846

1. Application

Detection of hydrogen chloride (hydrochloric acid gas, HCl) in air or technical gases.

2. Detector Tube Sampling Pump

KWIKDRAW (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

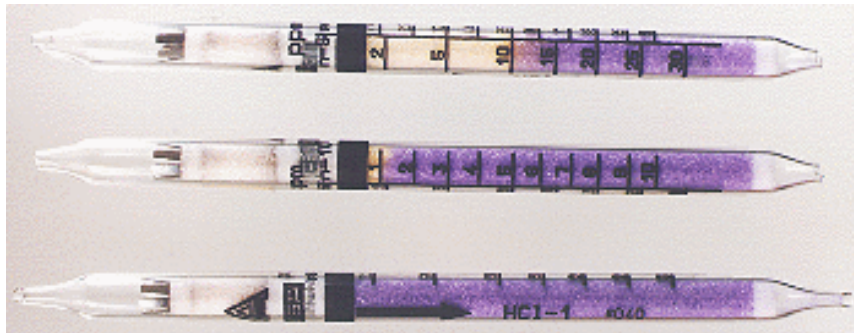
5 ppm ... 50 ppm hydrogen chloride at 2 pump strokes (n=2).

1 ppm ... 10 ppm hydrogen chloride at 10 pump strokes (n=10).

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 35 °C (50 °F and 95 °F) and between 20 % rh (19 g/m³ at 10 °C [50 °F]) and 80 % rh (32 g/m³ at 35 °C [95 °F]).

6. Interferences and Cross Sensitivities

a) No interference from:

- hydrogen, methane, ethane, propane, butanes, carbon monoxide, carbon dioxide.
- higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene), aromatic hydrocarbons (e.g. benzene) up to 5000 ppm (n=10).
- nitrogen dioxide, sulfur dioxide, hydrogen sulfide up to 125 ppm (n=2) resp. 25 ppm (n=10).

b) Chlorine will be indicated. To distinguish between hydrogen chloride and chlorine use detector tube Cl₂-0,2 (part no. 803944) which detects only chlorine.

Manufactured By:

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