

Information Data Sheet

Detector Tube Hydrazine-0.1

Part No. (US): D5086861

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1. Application

Detection of hydrazine (N₂H₄) in air or in technical gases.

2. Detector Tube Sampling Pump

UNIPHOS 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.

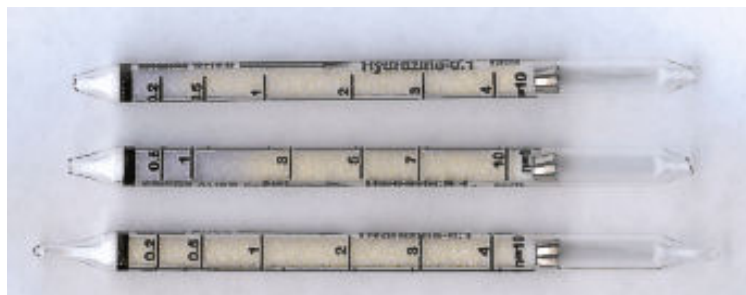
3. Measuring Range

(0.1 ... 3) ppm hydrazine at 5 strokes (n=5)
(0.5 ... 10) ppm hydrazine at 2 strokes (n=2)

4. Chemical Reaction and Color Change

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

Color change: yellow → blue.



5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of reading between 5 °C and 40 °C (41 °F and 104 °F) and in the humidity range up to 20 g/m³ (87 % rh at 25 °C [77 °F], 40 % rh at 40 °C [104 °F]).

6. Interferences and Cross Sensitivities

- a) No interference from:
 - hydrogen, methane, ethane, propane, butanes, carbon monoxide.
 - carbon dioxide up to 1000 ppm.
 - hydrogen sulfide, nitrogen dioxide up to 10 ppm.
- b) Other alkaline gases (amins, ammonia) will be indicated. The sensitivity of indication is different.
- c) Strong acidic gases (e.g. sulfur dioxide, hydrogen chloride, chlorine, phosgene) are not indicated but will shorten stain length of hydrazine even when concentrations correspond to measuring range of detector tube.

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