

Information Data Sheet



Detector Tube **NH₃-2**

Part No. (US): **804405**

Part No. **D5085845**

1. Application

Detection of ammonia (NH₃) 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.

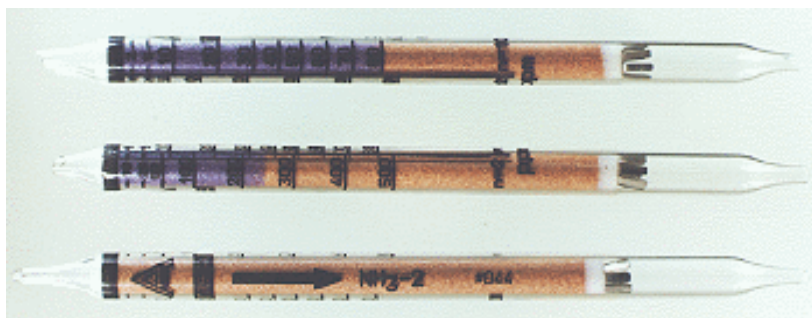
3. Measuring Range

(100 ... 600) ppm ammonia at n=2 (2 stroke)
(2 ... 80) ppm ammonia at n=10 (10 strokes).

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 the reading between 10 °C and 30 °C (50 °F and 86 °F) and between 20% rh [1.9 g/m³ at 10 °C (50 °F)] and 80% rh [24 g/m³ at 30 °C (86 °F)].

6. Interferences and Cross Sensitivities

- a) No interference from:
 - carbon dioxide up to 2 vol % (n=2) or 0.5 vol.% (n=10).
 - higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene), aromatic hydrocarbons (e.g. benzene) up to 1 vol % (n=10).
 - hydrogen sulfide, nitrogen dioxide up to 500 ppm (n=2) or 100 ppm (n=10).
- b) Other alkaline gases (amins, hydrazine) 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 ammonia even when concentrations correspond to measuring range of detector tube.

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