

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

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.

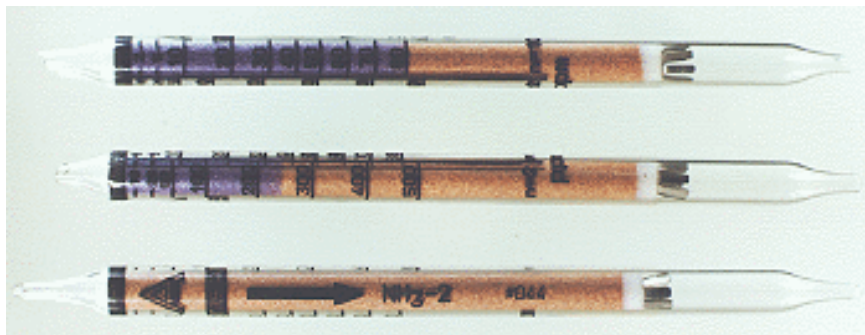
3. Measuring Range

(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:
 - hydrogen, methane, ethane, propane, butanes, carbon monoxide.
 - 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 (amines, 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.

Manufactured By:

Uniphos Envirotronic Pvt. Ltd (100% EOU)

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