

Information Data Sheet

Detector Tube NH₃-20

Part No. (US): D5086859

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1. Application

Detection of ammonia (NH₃) in air or in technical gases.

2. Detector Tube Sampling Pump

KWIK DRAW Pump, Gas-Tester IIH, Gas-Tester I / ThumbPump-Sampler, Toximeter II/III, or other suitable detector tubes pumps. Observe respective instructions for use.

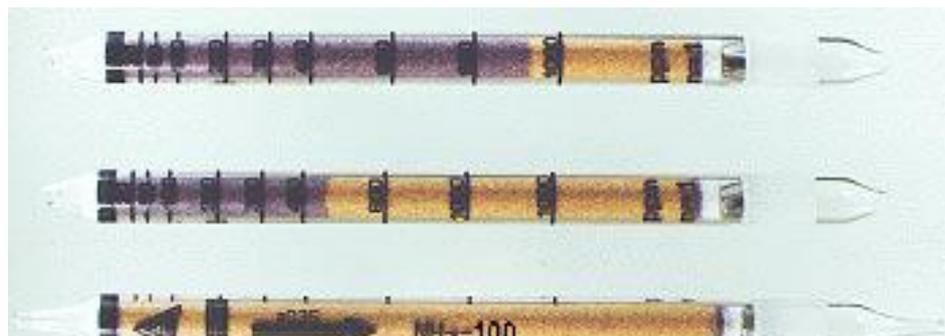
3. Measuring Range

(100 ... 2000) ppm ammonia at n=1 (1 stroke).

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 mg/l at 10 °C (50 °F)] and 80% RH [24 mg/l 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 4 vol %.
- higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene), aromatic hydrocarbons (e.g. benzene) up to 1 vol %.
- hydrogen sulfide, nitrogen dioxide up to 1,000 ppm.

b) Other alkaline gases (amins, hydrazine) will be indicated. The sensitivity of indication is different.

Manufactured By:

Uniphos Envirotronic Pvt. Ltd (100% EOU)

P.O. Nahuli - 396 108

Tal. Umbergaon,

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- c) Strong acidic gases (e.g. sulphur 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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