

Information Data Sheet

Detector Tube **NH₃-0.1%**

Part No. (US): **804406**

Part No. **D5085815**

1. Application

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

2. Detector Tube Sampling Pump

KWIK DRAW(formerly MSA AUER) Gas-Tester® I/H, 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

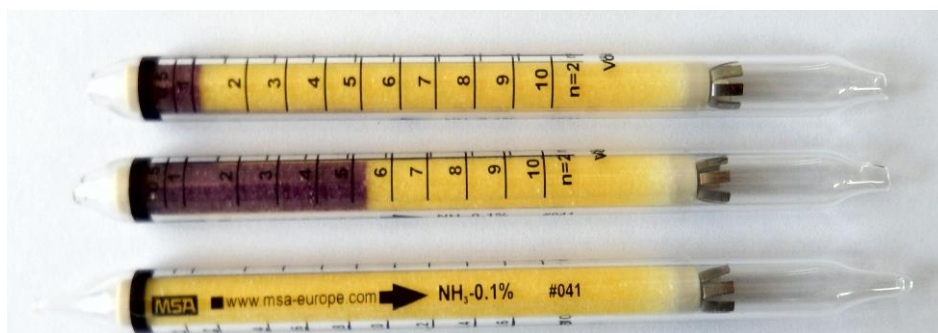
(0.5 ... 10) Vol % ammonia at n=2 (2 stroke).

(0.1 ... 1.6) Vol % ammonia at n=10 (10 stroke).

4. Chemical Reaction and Color Change

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

Color change: Yellow/orange → Dark blue/ purple



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 10 vol % (n = 2) or 2 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 5000 (n = 2) or 1000 ppm (n = 10).

b) Other alkaline gases (amines, 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,

Dist: Valsad, Gujarat, India

Tel. : +91 990 9994042

Marketing Office:

Uniphos Envirotronic Pvt. Ltd

Readymoney Terrace, 167,

Dr. Annie Besant Road, Worli,

Mumbai 400 018, India.

Tel. : +91(22) 6123 3500

Fax : +91(22) 2493 8826

+91 (22) 2497 8119

- 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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www.kwikdrawtubes.com