

Information Data Sheet

Action Detector Tube NH₃-A

Part No. (US): 804407

Part No. D5085755

1. Application

Quick orientative check of ambient atmosphere for hazardous ammonia (NH₃) concentrations.

2. Detector Tube Sampling Pump

KWIK DRAW pump, Gas-Tester I/H, Gas-Tester I / ThumbPump-Sampler, Toximeter III, Uniphos Kwik-Draw-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

3. Measuring Range

The action detector tube has two marks conforming the following concentrations:

Mark 1: 50 ppm ammonia at n=2 (2 strokes).

Mark 2: 250 ppm ammonia at n=2 (2 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)]. Do not use detector tube if protective layer has totally changed from dry to wet by water vapor.

6. Interferences and Cross Sensitivities

a) No interference from:

- hydrogen, methane, ethane, propane, carbon monoxide.
- carbon dioxide up to 2 vol %.
- higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene) aromatic hydrocarbons (e.g. benzene) up to 1 vol %.
- nitric oxide, hydrogen cyanide up to 1000 ppm.
- hydrogen Sulphide, nitrogen dioxide up to 500 ppm.

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 corresponding to measuring range of detector tube.

Manufactured By:

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