

Part No. D5085815

Part No. (US): 804406

Performance :

Measurement Range	0.5 - 10%	0.1-1.6%
Number of Strokes	2	10
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	± 15 to ± 25 %	
Colour Change	Orange → Dark Blue	

Reaction Principle :

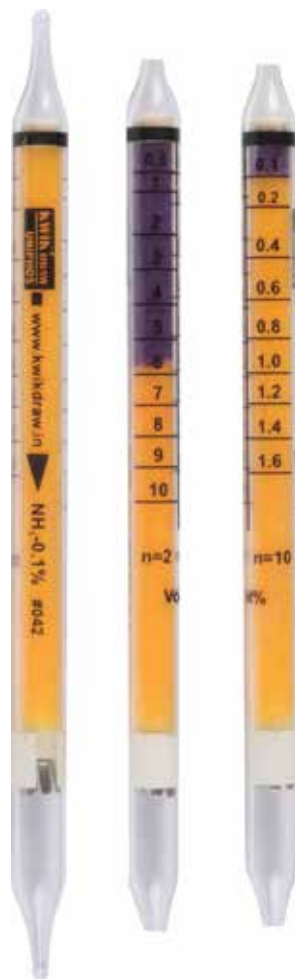
$\text{NH}_3 + \text{Acid} + \text{pH Indicator} \rightarrow \text{Reaction product}$

Operating Conditions :

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 90% RH [27 mg/l at 30 °C (86 °F)].

Interferences And Cross Sensitivities :

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Butanes, Carbon monoxide	No interference
Carbon dioxide up to 10 vol% (n=2) or 2 vol% (n=10)	No interference
Higher saturated hydrocarbons (e.g. Hexanes, Octanes), Olefinic hydrocarbons (e.g. Ethylene), Aromatic hydrocarbons (e.g. Benzene) up to 1 vol% (n=10)	No interference
Hydrogen sulphide, Nitrogen dioxide up to 5000 ppm (n=2) or 1000 ppm (n=10)	No interference
Other alkaline gases (Amines, Hydrazine)	Sensitivity of indication is different
Strong acid gases (e.g. Sulfur dioxide, Hydrogen chloride, Chlorine, Phosgene)	Not indicated but will shorten the stain length of ammonia.



TLV(TWA): 25 ppm

TLV(STEL): 35 ppm

Flammable Range: 15 - 28%