

Part No. D5086859

Part No. (US): D5086859

Performance :

Measurement Range	100 - 2000 ppm
Number of Strokes	1
Sampling Time	20 - 30 seconds per stroke
Relative Standard Deviation	± 15 to ± 25 %
Colour Change	Yellow → 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 80% RH [24 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 4 vol%	No interference
Higher saturated hydrocarbons (e.g. Hexanes, Octanes), Olefinic hydrocarbons (e.g. Ethylene), Aromatic hydrocarbons (e.g. Benzene) up to 1 vol%	No interference
Hydrogen sulphide, Nitrogen dioxide up to 1000 ppm	No interference
Other alkaline gases (Amines, Hydrazine)	will be indicated but with different sensitivity
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%