

**Performance**

Measuring Range	10 to 50 ppm	50 to 500 ppm	500 to 1000 ppm
Number of Pump Strokes	2 to 5	1	1/2
Correction Factor	1/2 to 1/5	1	2
Sampling Time	45 seconds per pump stroke		
Detecting Limit	2 ppm (n=5)		
Colour Change	Purple → Yellow		
Reaction Principle	Ammonia reacts with phosphoric acid to change the colour of pH indicator to yellow.		
Coefficient of Variation	5% (for 50 to 500 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes in dark and cool place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Diamines	≥1/8	Plus error	Produce yellow stain
Monoamines	≥1/15	Plus error	Produce yellow stain
Carbon dioxide	≥1%	Minus error	No discoloration

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Trimethylamine	0.5	1	25 to 250 ppm

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
25ppm	35ppm	15 to 28%