

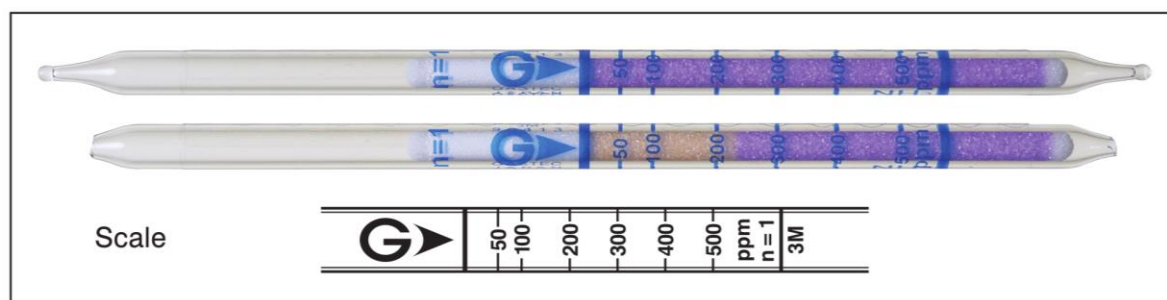


Ammonia NH₃

Part No.: 3M

Ammonia NH₃

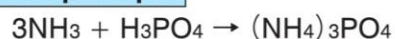
No.3M



Performance

Measuring range	10 to 50 ppm	50 to 500 ppm	500 to 1000 ppm
Number of pump strokes	2 to 5 (200 to 500 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2 to 1/5	1	2
Sampling time	1.5 to 4 min	45 sec	25 sec
Detecting limit :	2 ppm (5 pump strokes)		
Colour change :	Purple → Yellow		
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used		
Relative standard deviation :	5 % (for 50 to 500 ppm)		
Tube quantity and number of tests per box :	10 tubes for 10 tests		
Shelf life :	36 months		

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Diamines	$\geq 1/8$	+	} Yellow
Monoamines	$\geq 1/15$	+	
Carbon dioxide	$\geq 1\%$	- (20%)	No

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Trimethylamine	Factor : 0.5	1	25 to 250 ppm

Calibration gas generation

Permeation tube method