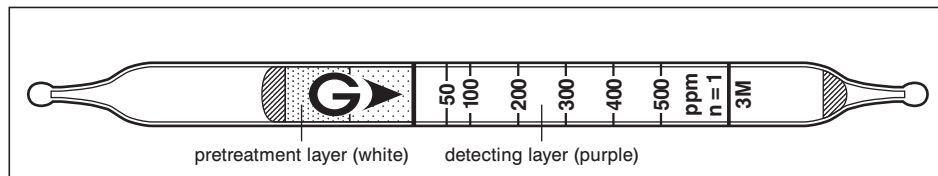


Ammonia NH₃

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)

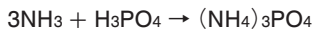
Colour change : Purple → Yellow

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 5 % (for 50 to 500 ppm)

Shelf life : 3 years

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