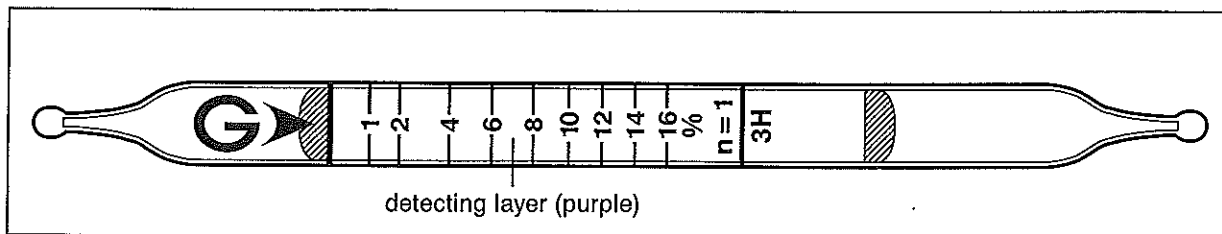


# Ammonia NH<sub>3</sub>

No.3H

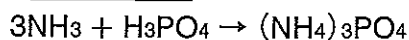


## Performance

Measuring range	0.2 to 1 %	1 to 16 %	16 to 32 %
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 3.75 min	45 sec	30 sec

Detecting limit : 0.05 % (5 pump strokes)  
 Colour change : Purple → Yellow  
 Corrections for temperature & humidity : Unnecessary  
 Relative standard deviation : 10 % (for 1 to 4 %), 5% (for 4 to 16 %)  
 Shelf life : 3 years

## Reaction principle



## Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Amines		+	} Yellow
Hydrazine		+	

## Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Dimethylamine	Factor : 1.2	1	1.2 to 19.2 %

## Calibration gas generation

High pressure gas cylinder method