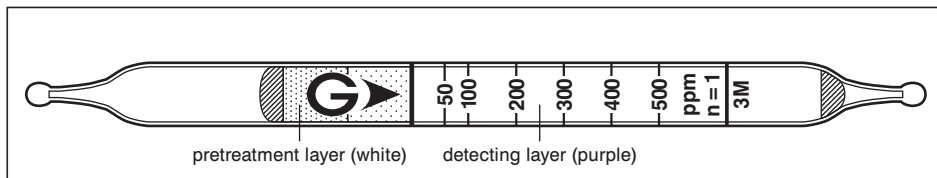


# Ammonia NH<sub>3</sub>

# 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)

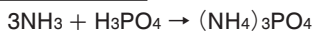
Colour change : Purple → Yellow

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	≧ 1/8	+	} Yellow
Monoamines	≧ 1/15	+	
Carbon dioxide	≧ 1%	-	No

Chlorine, hydrogen chloride, nitric acid and water vapour are removed in the pretreatment (white) layer.

## 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