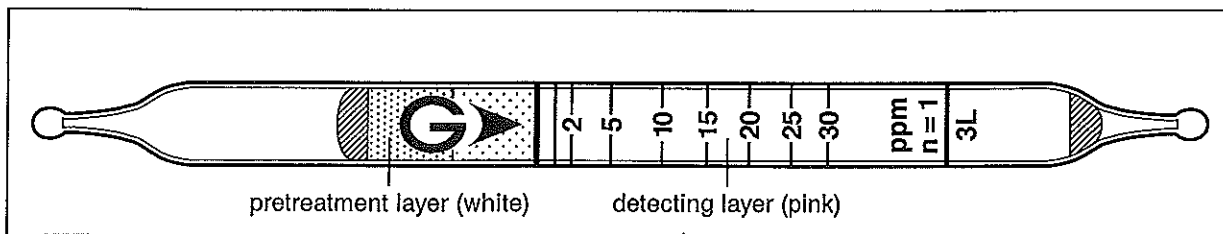


Ammonia NH₃

No.3L



Performance

Measuring range	0.5 to 1 ppm	(1) to 30 ppm	30 to 78 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2.6
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.2 ppm (2 pump strokes)

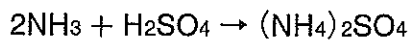
Colour change : Pink → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 1 to 10 ppm), 5 % (for 10 to 30 ppm)

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	$\geq 1/15$	+	Yellow (≥ 5 ppm)
Hydrazine		+	Yellow
Carbon Dioxide	$\geq 1\%$	-	No

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

Calibration gas generation

Permeation tube method