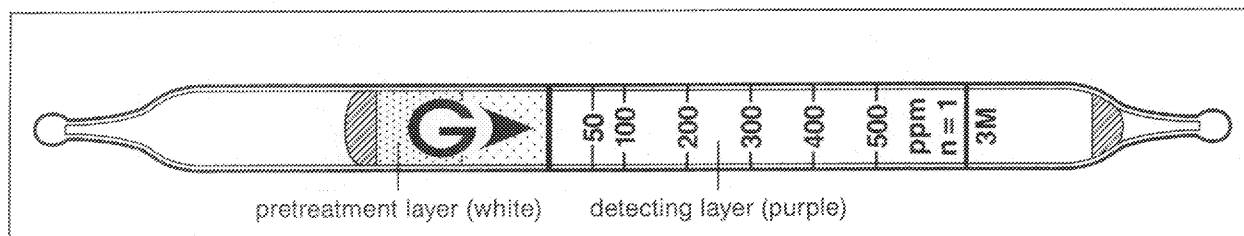


Ammonia NH₃

No.3M

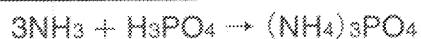


Performance

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 (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Diamines	$\geq 1/8$	+	} Yellow
Monoamines	$\geq 1/15$	+	
Carbon Dioxide	$\geq 1\%$	-	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