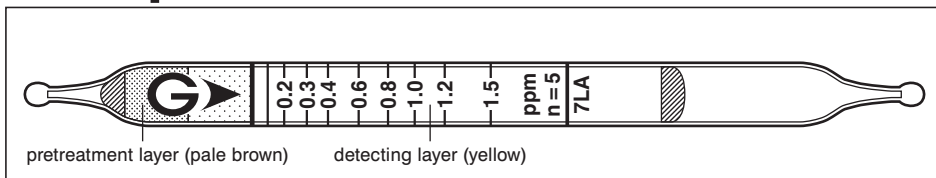


Phosphine PH₃

No.7LA



Performance The minimum scale value (0.1 ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.05 to 0.1 ppm	(0.1) to 1.5 ppm	1.5 to 2.5 ppm	2.5 to 9.8 ppm
Number of pump strokes	10 (1000 ml)	5 (500 ml)	3 (300 ml)	1 (100 ml)
Correction factor	1/2	1	1.7	6.5
Sampling time	15 min	7.5 min	4.5 min	1.5 min

Detecting limit : 0.02 ppm (10 pump strokes)

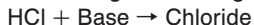
Colour change : Yellow → Red

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.1 to 0.4 ppm), 5 % (for 0.4 to 1.5 ppm)

Shelf life : 2 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Arsine	≥ 1/10	+	Red
Diborane		No	} No
Hydrogen chloride		No	

Water vapour is trapped in the pretreatment (pale brown) layer.

Calibration gas generation

High pressure gas cylinder method