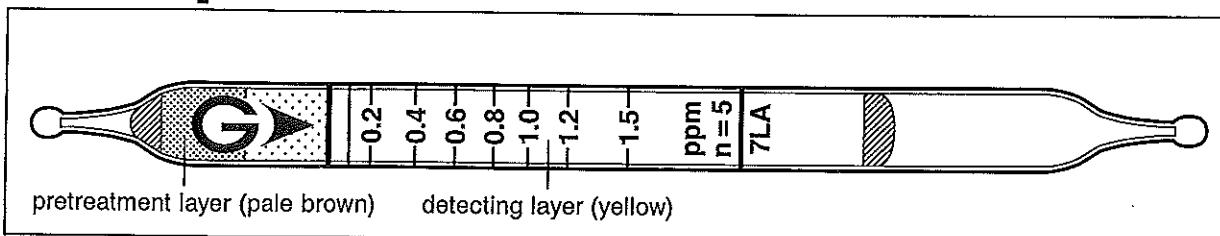


Phosphine PH₃

No. 7LA



Performance

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)

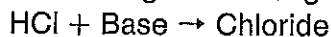
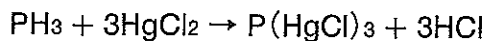
Colour change : Yellow → Red

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 (NOTE : Page 2-5)

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