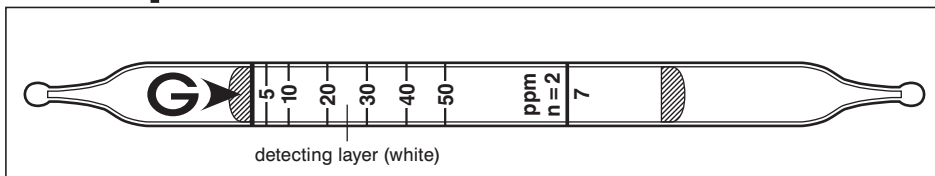


Phosphine PH₃

No.7



Performance

Measuring range	2.5 to 5 ppm	5 to 50 ppm	50 to 100 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)
Correction factor	1/2	1	2
Sampling time	6 min	3 min	1.5 min

Detecting limit : 0.5 ppm (4 pump strokes)

Colour change : White → Pale yellow

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 5 to 10 ppm), 5 % (for 10 to 50 ppm)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide	≧ 10 ppm	+	} Dark brown
Arsine	≧ 20 ppm	+	
Hydrogen selenide	≧ 20 ppm	+	

Calibration gas generation

High pressure gas cylinder method