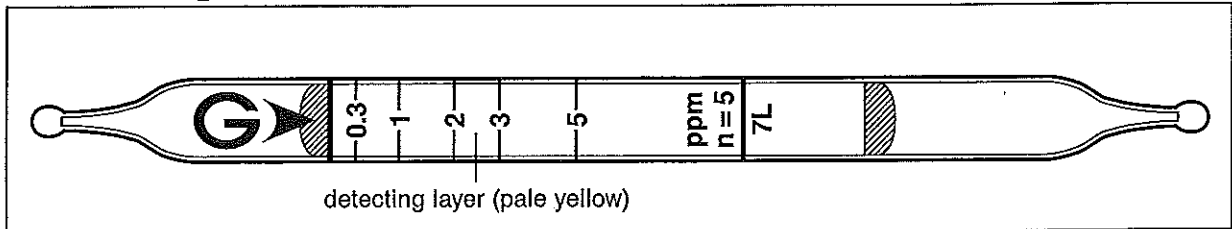


Phosphine PH₃

No.7L



Performance

Measuring range	0.15 to 0.3 ppm	0.3 to 5 ppm
Number of pump strokes	10 (1000 ml)	5 (500 ml)
Correction factor	1/2	1
Sampling time	10 min	5 min

Detecting limit : 0.04 ppm (10 pump strokes)

Colour change : Pale yellow → Purple

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.3 to 1 ppm), 5 % (for 1 to 5 ppm)

Shelf life : 3 years

Reaction principle

PH₃ + Gold-compound → Colloidal gold

Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Arsine		+	} Purple
Germane		+	
Hydrogen selenide		+	
Hydrogen sulphide		+	

Calibration gas generation

High pressure gas cylinder method