

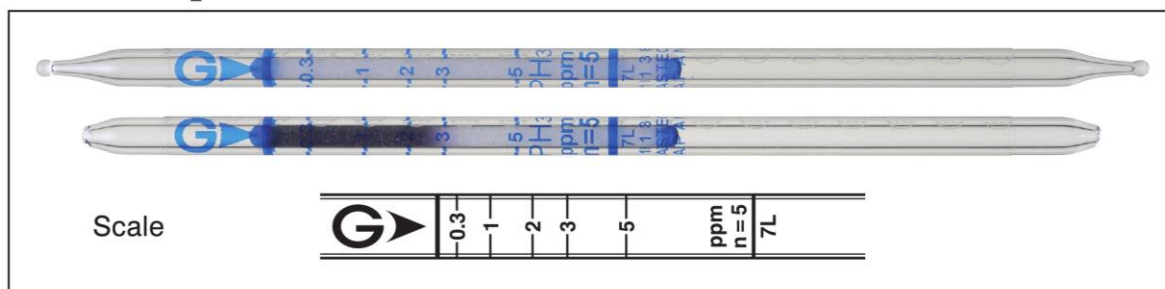


Phosphine PH₃

Part No.: 7L

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	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 10 to 90 % correction not used	
Relative standard deviation :	10 % (for 0.3 to 1 ppm), 5 % (for 1 to 5 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	36 months	

Reaction principle

PH₃ + Gold-compound → Colloidal gold

Possible coexisting substances and their interferences

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

Calibration gas generation

High pressure gas cylinder method