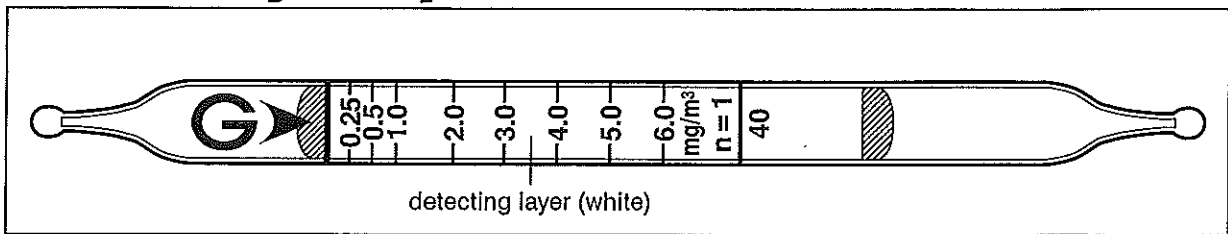


Mercury Vapour Hg

No.40



Performance

Measuring range	0.05 to 0.25 mg/m ³	0.25 to 6.0 mg/m ³	6.0 to 13.2 mg/m ³
Number of pump strokes	5 (500 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/5	1	2.2
Sampling time	7.5 min	1.5 min	45 sec

Detecting limit : 0.01 mg/m³ (5 pump strokes)

Colour change : White → Pale orange

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.25 to 2 mg/m³), 5 % (for 2 to 6 mg/m³)

Shelf life : 3 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide		+	Pale orange (whole layer)
Chlorine		+	} Pale orange
Nitrogen dioxide		+	

Calibration gas generation

Vapour pressure method