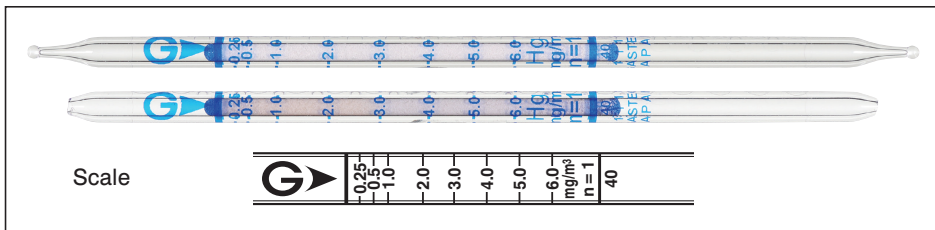


# Mercury Vapour Hg

No.40



## Performance

Measuring range	0.05 to 0.25 mg/m <sup>3</sup>	0.25 to 6.0 mg/m <sup>3</sup>	6.0 to 13.2 mg/m <sup>3</sup>
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/m <sup>3</sup> (5 pump strokes)
Colour change :	White → Pale orange
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 0.25 to 2 mg/m <sup>3</sup> ), 5 % (for 2 to 6 mg/m <sup>3</sup> )
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

## Reaction principle



## Possible coexisting substances and their interferences

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

## Calibration gas generation

Vapour pressure method