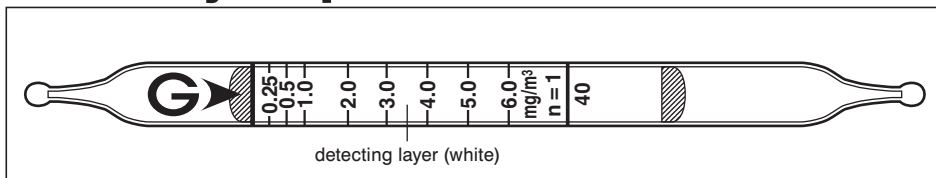


# Mercury Vapour Hg

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

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.25 to 2 mg/m<sup>3</sup>), 5 % (for 2 to 6 mg/m<sup>3</sup>)

Shelf life : 3 years

## 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