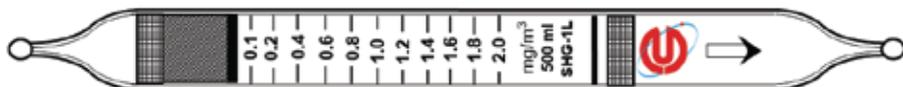


Mercury Vapour

Hg

SHG-1L



Specification :

	Extended	Standard	Extended
Measurement Range (SO ₂)	Do not extend	0.1 - 2 mg/m ³	2 - 7 mg/m ³
No. of Pump Strokes		5 (500 ml)	1 (100 ml)
Volume Correction Factor (VCF)*		1	3.5
Sampling Time	2.0 minutes per pump stroke (100 ml)		
Color Change	White → Pale orange		
Detection Limit	0.05 mg/m ³ (5 pump strokes)		
Shelf Life	1 year		
Relative standard deviation	± 10 – 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Reaction Principle :



Possible Interferences :

Compound	Concentration (mg/m ³)	Interference	Color Change / Comments
Hydrogen sulfide	1	+	Pale Orange
Carbon dioxide	≤5000	No	No Effect

Correction For Environmental Parameters :

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.

Calibration Of The Tube :

Static gas dilution method.