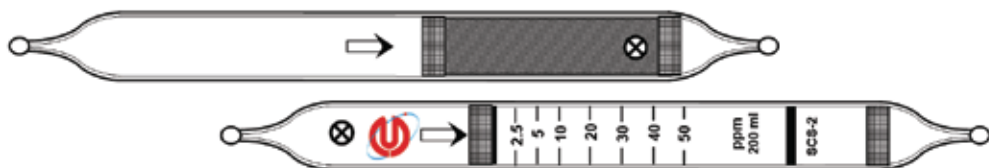


Carbon Disulphide

CS₂

SCS-2

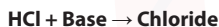
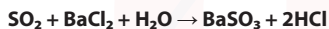
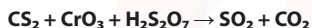


Specification :

Measurement Range	Extended	Standard	Extended
	1.25 – 2.5 ppm	2.5 – 50 ppm	50 – 100 ppm
No. of Pump Strokes	4 (400 ml)	2 (200 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	2.5 minutes per pump stroke (100 ml)		
Color Change	Blue → Yellow		
Detection Limit	0.5 ppm (4 pump strokes)		
Shelf Life	3 years		
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 (ppm)	Interference	Color Change / Comments
Hydrogen sulphide	50	+	Yellow
Ammonia	≤70	No	No Effect
Hexane	≤35	No	No Effect
Methane	≤10000	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.