

**Specification :**

	Extended	Standard	Extended
Measurement Range	0.25 - 0.5	0.5 - 10 ppm	10 - 20 ppm
No. of Pump Strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	1.5 minute per pump stroke (100 ml)		
Color Change	Pink → Yellow		
Detection Limit	0.10 ppm (4 pump strokes)		
Shelf Life	2 years		
Relative standard deviation	± 10 - 15 %		

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

Reaction Principle :

SO₂ + Base → Reaction product.

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Ammonia	≤ 100	No	No Effect
Hydrogen sulfide	≤ 2000	No	No Effect
Carbon monoxide	≤ 1000	No	No Effect
Carbon dioxide	≤ 5%	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.