

**Specification :**

	Extended	Standard	Extended
Measurement Range (SO ₂)	Do not extend	2.5 – 50 ppm	Do not extend
No. of Pump Strokes		1 (100 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.5 minutes per pump stroke (100 ml)		
Color Change	Yellow → Blue		
Detection Limit	1 ppm		
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 :

$C_3H_7NH_2 + \text{Acid} \rightarrow \text{Reaction product}$

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Amines		+	Yellow to Blue
Ammonia		+	Yellow to Blue

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.