

**Specification :**

	Extended	Standard	Extended
Measurement Range	12.5 – 25 ppm	25 – 500 ppm	500 – 1000 ppm
No. of Pump Strokes	2 (200 ml)	1 (100 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*	1.5	1.0	2.0
Sampling Time	1.5 minute per pump stroke (100 ml)		
Color Change	Blue → White		
Detection Limit	5 ppm (2 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 :

O₃ + Indicator → Reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Chlorine		+	Pale red
Nitrogen dioxide	≥200	+	Light blue
Carbon monoxide	≥100	+	Ring
Hydrogen sulfide	≥120	+	Light blue
Sulfur dioxide	≤100	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.