

**Specification :**

Measurement Range	Extended	Standard	Extended
	0.05 – 0.1 ppm	0.1- 5 ppm	5 – 10 ppm
No. of Pump Strokes	2(200 ml)	1(100 ml)	½ (50 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	2.0 minutes per pump stroke (100 ml)		
Color Change	White → Orange		
Detection Limit	0.02 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 :

ClO₂ + Tetramethyl benzidine → Orange reaction product.

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Chlorine	≤8	No	No Effect
Nitrogen Dioxide		+	Orange
Nitric Oxide		+	Orange
Hydrogen chloride	≤1000	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.