

**Specification :**

Measurement Range	Extended	Standard	Extended
	0.12 - 0.25 ppm	0.25 - 5 ppm	5 - 10 ppm
No. of Pump Strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke (100 ml)		
Color Change	White → Light orange		
Detection Limit	0.05 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 :

Cl₂ + o - Tolidine → Light orange reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Chlorine dioxide		+	Light orange
Nitrogen dioxide		+	Light orange
Bromine		+	Light orange
Iodine		+	Light orange

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.