

**Specification :**

	Extended	Standard	Extended
Measurement Range	Do not extend	0.5 - 30 ppm	Do not extend
No. of Pump Strokes		2 (200 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minutes per pump stroke (100 ml)		
Color Change	White → Orange		
Detection Limit	0.2 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 :

NO₂ + o - Tolidine → Orange reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Chlorine		+	Orange
Bromine		+	Orange
Carbon monoxide	≤3000	No	No Effect
Sulfur dioxide	≤200	No	No Effect
Hydrogen sulfide	≤100	No	No Effect
Toluene	≤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.