

**Specification :**

	Extended	Standard	Extended
Measurement Range	Do not extend	0.1 – 10 ppm	10 – 20 ppm
No. of Pump Strokes		1 (100 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*		1.0	2.0
Sampling Time	1.5 minutes per pump stroke (100 ml)		
Color Change	White → Red		
Detection Limit	0.05		
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 :

COCl₂ + Nitro-benzyl pyridine + benzyl aniline → Reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Chlorine	≤ 5	No	No Effect
Hydrogen chloride	≤ 10	No	No Effect
Sulfur dioxide	≤ 100	No	No Effect
Nitrogen Dioxide	≤ 10	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.