

**Specification :**

Measurement Range	Extended	Standard	Extended
	0.5 - 2.5 ppm	2.5 - 50 ppm	50 - 100 ppm
No. of Pump Strokes	5 (500 ml)	1 (100 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*	0.2	1.0	2.0
Sampling Time	1.5 minute per pump stroke (100 ml)		
Color Change	Yellow → Blue		
Detection Limit	0.5 ppm (2 pump strokes)		
Shelf Life	2 years		
Relative standard deviation	± 10 to 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Reaction Principle :**Possible Interferences :**

Compound	Concentration (ppm)	Interference	Color Change / Comments
Amines		+	Blue
Hydrazine		+	Blue
Carbon dioxide	≤2%	No	No Effect
Carbon monoxide	≤100	+	Blue Ring
Hydrogen sulphide	≤200	No	No effect

Cross Sensitivity:

Compound	No. of stroke	Gas Correction Factor GCF*	Measuring Range (ppm)	TLV (ppm)	Color change
Diethylamine	1	0.52	13-26	5	Blue

* Multiply the observed reading by the correction factor (VCF x GCF) to obtain the true concentration.

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 :

High-pressure gas cylinder method.