

**Specification :**

Measurement Range	Extended	Standard	Extended
		0.1 - 0.2%	0.2 - 7.0%
No. of Pump Strokes	2 (200 ml)	1 (100 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke (100 ml)		
Color Change	Blue → Black		
Detection Limit	0.05 % (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 :**Possible Interferences :**

Compound	Concentration (ppm)	Interference	Color Change / Comments
Nitrogen dioxide	≤0.1	No	No Effect
Carbon monoxide	≤0.3	No	No Effect
Ammonia	≤0.03	No	No Effect
Sulfur dioxide	≤0.003	No	No Effect
Methane	≤2.5	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.