

**Specification:**

Measurement Range	Extended	Standard	Extended
	10 - 20 ppm	20 - 1200 ppm	Do not extend
No. of Pump Strokes	2 (200 ml)	1 (100 ml)	
Volume Correction Factor (VCF)*	0.5	1.0	
Sampling Time	2 minutes per pump stroke (100 ml)		
Color Change	Pale Yellow → Blue		
Detection Limit	10 ppm (2 pump Strokes)		
Shelf Life	1 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	Interference	Color Change /Comments
Carbon monoxide	> 600 ppm	+	Blue (Whole layer)
Propylene	> 600 ppm	+	Blue
Butadiene	> 100 ppm	+	White
Hydrogen cyanide	> 850 ppm	+	White
Hydrogen sulphide	> 500 ppm	+	Black

Cross Sensitivity:

Compound	No. of Stroke	Gas correction factor (GCF)*	Measuring Range (ppm)	Color Change / Comments
Acetylene	1	1.7	34 - 2040	Blue

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.

TLV (TWA): 200 ppm

TLV (STEL): ----

Flammable Range: 2.7 – 36 %