



### Specification :

Measurement Range	Extended	Standard	Extended
		Do not extend	0.025 – 0.6 %
No. of Pump Strokes		1 (100 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.0 minutes per pump stroke (100 ml)		
Color Change	Orange → Brownish green		
Detection Limit	0.01 %		
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
Organic vapours		+	Pale Green

### Cross Sensitivity :

Compound	No. of strokes	Gas Correction Factor (GCF)*	Measuring range (ppm)	TLV (ppm)	Colour change
Cyclohexane	1	1.3	0.0325 - 0.78 %	300	Brownish Green
n-Pentane	1	0.34	0.0085 - 0.204 %	1000	Brownish Green
n-Octane	1	3.8	0.095 - 2.28 %	300	Brownish Green
n-Heptane	1	2.35	0.05875 - 1.41 %	400	Brownish Green

\* Multiply the observed reading by the correction factor (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 :

Static gas dilution method.