

**Performance**

<b>Measuring Range</b>	0.13 to 0.25%	0.25 to 3%	3 to 6%
<b>Number of Pump Strokes</b>	2	1	1/2
<b>Correction Factor</b>	1/2	1	2
<b>Sampling Time</b>	2 minutes per pump stroke		
<b>Detecting Limit</b>	0.025% (n=2)		
<b>Colour Change</b>	White → Purple		
<b>Reaction Principle</b>	Carbon dioxide reacts with detecting agent to give indicator to purple.		
<b>Coefficient of Variation</b>	10% (for 0.25 to 1 %), 5% (for 1 to 3 %)		
<b>Shelf Life</b>	3 Years		
<b>Corrections for temperature &amp; humidity</b>	Unnecessary		
<b>Store the tubes at cool and dark place.</b>			

**Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Change colour by itself
Ammonia	-	No effect	No discoloration
Carbon Monoxide	-	No effect	No discoloration
Hydrogen chloride, Chlorine	-	No effect	No discoloration
Nitrogen oxides	-	No effect	No discoloration
Sulphur dioxide	-	No effect	No discoloration
Amines	-	No effect	No discoloration
Organic solvents	-	No effect	No discoloration

**Calibration gas generation** High pressure gas cylinder method

TLV-TWA	TLV-STEL	Explosive range
5000ppm	30000ppm	-