

**Performance**

Measuring Range	3.3 to 10ppm	10 to 800ppm
Number of Pump Strokes	4	2
Correction Factor	1/3	1
Sampling Time	2 minutes per pump stroke	
Detecting Limit	2 ppm (n=4)	
Colour Change	Yellow → Red	
Reaction Principle	$3\text{CH}_2:\text{CHCHO} + (\text{NH}_2\text{OH})_3 \cdot \text{H}_3\text{PO}_4 \rightarrow \text{H}_3\text{PO}_4 + \text{Base}$ → Phosphate	
Coefficient of Variation	10% (for 10 to 200 ppm), 5% (for 200 to 800 ppm)	
Shelf Life	2 Years	
Corrections for temperature & humidity	Temperature correction is necessary	
Store the tubes in the refrigerator to keep at 10°C (50°F) or below		

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Ammonia	-	Minus error	No discoloration
Sulphur dioxide	≥1/5 time	Plus error	No discoloration
Acetaldehyde	≥1/5 time	Plus error	Produces red stain
Acetone	≥1/1 time	Plus error	Produces red stain
Methyl Ethyl Ketone	≥3 times	Plus error	Produces red stain

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
-	C 0.1ppm	2.8 to 31%