

**Performance**

Measuring Range	0.125 to 0.25 ppm	0.25 to 10 ppm	10 to 25 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2.5
Sampling Time	1.5 minutes per pump stroke		
Detecting Limit	0.05 ppm (n=2)		
Colour Change	Pink → Pale Yellow		
Reaction Principle	Acetic acid neutralizes sodium hydroxide to discolour indicator to Pale yellow.		
Coefficient of Variation:	10% (for 0.25 to 3 ppm), 5% (for 3 to 10 ppm)		
Shelf Life	2 Years		
Corrections for temperature & humidity	Temperature correction is necessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Ammonia	≥ 2 times	Minus error	No discoloration
Chlorine, Sulphur dioxide, Nitrogen dioxide	-	Plus error	Pale Yellow
Formic Acid, Acetic anhydride	-	Plus error	Pale Yellow

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Acetic anhydride	Factor: 0.6	1	0.15 to 6 ppm
Acrylic acid	Factor: 1.8	1	0.45 to 18 ppm
Butyric acid	Factor: 1.3	1	0.325 to 13 ppm
Formic acid	Factor: 2.0	1	0.5 to 20 ppm
Isovaleric acid	Factor: 1.5	1	0.38 to 15 ppm
Methacrylic acid	Factor 1.4	1	0.35 to 14 ppm
Propionic acid	Factor: 1.0	1	0.25 to 10 ppm
Valeric acid	Factor: 1.5	1	0.38 to 15 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
10ppm	15ppm	4 to 19.9%