



Performance

Measuring Range	0.4 to 1 ppm	1 to 100 ppm	100 to 350 ppm
Number of Pump Stroke	4	2	1
Correction Factor	0.4	1	3.5
Sampling Time	3 minutes per pump stroke		
Detecting Limit	0.1 ppm (n=4)		
Colour Change	Yellow → Reddish brown		
Reaction Formula	$C_2H_4O \rightarrow 2HCHO$ $3HCHO + (NH_2OH)_3H_3PO_4 \rightarrow H_3PO_4$ $H_3PO_4 + Base \rightarrow Phosphate$		
Coefficient of Variation	15% (for 1 to 20 ppm), 10% (for 20 to 100 ppm)		
Shelf Life	1 Year		
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
Aldehydes, Ketones	-	Plus error	Produce reddish brown stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Epichlorohydrin	1.2	2	1.2 to 120 ppm
Propylene oxide	1.0	1	1 to 100 ppm

Calibration gas generation Permeation tube method

TLV to TWA	TLV to STEL	Explosive range
1ppm	-	3.6 to 100%