

**Performance**

Measuring Range	100 to 500 ppm	500 to 2000 ppm
Number of Pump Stroke	1	1/2
Correction Factor	1	4
Sampling Time	3 minutes per pump stroke	
Detecting Limit	50 ppm (n=1)	
Colour Change	White → Reddish orange	
Reaction Formula	1, 1, 1-Trichloroethylene reacts with oxidising agent to produce intermediate products then it reacts with the detecting agent to produce a reddish orange stain.	
Coefficient of Variation	10% (for 100 to 200 ppm), 5% (for 200 to 500 ppm)	
Shelf Life	3 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
Chlorine, Bromine, Iodine	-	Plus error	Discolour reddish orange stain
Chloroform, Dichloromethane	-	Plus error	Discolour reddish orange stain
Carbon tetrachloride	-	None	No effect
Methyl bromide	-	Plus error	Discolour reddish orange stain
Trichloroethylene, Tetrachloroethylene	-	Plus error	Discolour reddish orange stain

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Chlorobromomethane	Factor: 0.22	1	22 to 110 ppm
1,1-Dichloroethane	Factor: 0.9	1	90 to 4500 ppm
1,2-Dichloroethane	Factor : 4.0	1	400 to 2000 ppm

1,1,2-Trichloroethane

Tube 135 Reading (n=2)	100	200	300	400	500
1,1,2-Trichloroethane (ppm)	220	350	480	610	750

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
350ppm	450ppm	-