

**Performance**

Measuring Range	10 to 20ppm	20 to 300ppm	300 to 600ppm
Number of Pump Stroke	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	2 minutes per pump stroke		
Detecting Limit	4 ppm (n=2)		
Colour Change	White → Yellow		
Reaction Principle	Methyl bromide is oxidized by nascent oxygen to liberate bromine. It reacts with o-tolidine to produce yellow stain.		
Coefficient of Variation	10% (for 20 to 100 ppm), 5% (for 100 to 300 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		

Store the tubes at cool and dark place.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Chlorine, Bromine, Nitrogen Oxides	-	Plus error	Produce yellow stain
Saturated halogenated Hydrocarbons	-	Plus error	Produce yellow stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Chlorobromomethane	0.9	1	18 to 270 ppm
1,2-Dibromoethane	0.7	1	14 to 210 ppm
n-Butyl Bromide	1.2	1	24 to 360 ppm

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
1ppm	-	10 to 15%