

**Performance**

Measuring Range	20 to 40 ppm	40 to 1000 ppm
Number of Pump Strokes	2	1
Correction Factor	1/2	1
Sampling Time	4 minutes per pump stroke	
Detecting Limit	5 ppm (n=2)	
Colour Change	Pink → Pale blue	
Reaction Principle	Methyl alcohol reduces potassium dichromate to form chromic sulfate, which is blue in colour $\text{CH}_3\text{OH} + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cr}^{3+}$	
Coefficient of Variation	15% (for 40 to 200 ppm), 10% (for 200 to 1000 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
Alcohols	-	Plus error	Produces pale blue stain

Other substance measurable with this detector tube

Substance	Correction	Pump Strokes	Measuring Range
Ethylene Chlorohydrin	by scale	3	20 to 200 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
200ppm	250ppm	6 to 36.5%