



Performance

Measuring Range	0.5 to 5 ppm	5 to 120 ppm
Number of Pump Strokes	2 to 10	1
Correction Factor	1/2 to 1/10	1
Sampling Time	2 minutes per pump stroke	
Detecting Limit	0.2 ppm (n=10)	
Colour Change	White → Yellow	
Reaction Principle	Ethyl mercaptan included Acid reagent to produce to yellow	
Coefficient of Variation	10% (for 5 to 40 ppm), 5% (for 40 to 120 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
Acetylene, Ethylene	≥ 2000 ppm	Plus error	Discolour pale brown to whole layer
Carbon Monoxide	≥ 2000 ppm	Plus error	Discolour pale brown to whole layer
Other Mercaptans	-	Plus error	Discolour yellow stain
Hydrogen Sulphide	≥ 500 ppm	Plus error	No stain

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
0.5ppm	-	2.8 to 18.2%