

**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	Mercaptans react with Palladium sulphate to produce Yellow stain	
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
Carbon monoxide	≥ 2000 ppm	Plus error	Pale brown for whole layer
Hydrogen sulphide	≥ 500 ppm	Plus error	No discoloration
Acetylene, Ethylene	≥ 2000 ppm	Plus error	Pale brown for whole layer

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Ethyl mercaptan	1.0	1 to 10	0.5 to 120 ppm
Isopropyl mercaptan	2.0	1	10 to 240 ppm
Methyl mercaptan	0.7	1 to 10	0.35 to 84 ppm
Propyl mercaptan	4.5	1	22.5 to 540 ppm

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
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