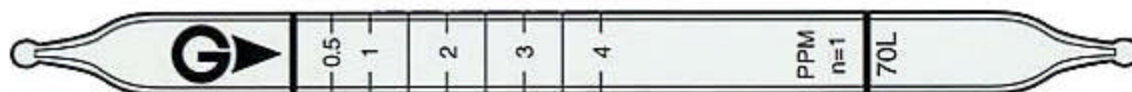


Mercaptans

R-SH

NO.70L**Performance**

Measuring Range	0.1 to 0.2 ppm	0.2 to 0.5 ppm	0.5 to 4 ppm	4 to 8 ppm
Number of Pump Strokes	4	2	1	1/2
Correction Factor	1/5	0.4	1	2
Sampling Time	1.5 minutes per pump stroke			
Detecting Limit	0.05 ppm (n=4)			
Color Change	Yellow → Red			
Reaction Principle	Mercaptans react with Mercuric chloride to produce hydrogen chloride. The indicator changes the color to red.			
Coefficient of Variation	10% (for 0.5 to 1 ppm), 5% (for 1 to 4 ppm)			
Shelf Life	2 Years			
Corrections for temperature & humidity	Unnecessary			
Store the tubes at cool and dark place.				

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Acid gases	-	Plus error	Produces red stain
Hydrogen sulfide	≤ 200ppm	No effect	No discoloration

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Butyl mercaptan	1.6	1/2, 1, 2 or 4	0.16 to 12.8 ppm
tert-Butyl mercaptan	1.0		0.1 to 8 ppm
Euthyl mercaptan	1.0		0.1 to 8 ppm
Methyl mercaptan	1.0		0.1 to 8 ppm
Propyl mercaptan	1.2		0.12 to 9.6 ppm

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
-	-	-



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