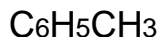
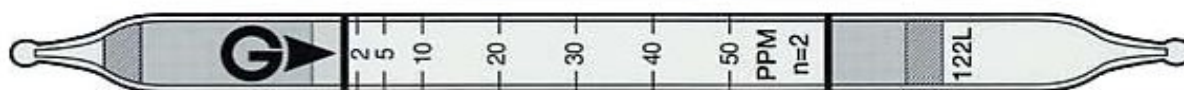


Toluene



NO.122L



Performance

Measuring Range	1 to 2 ppm	2 to 50 ppm	50 to 100 ppm
Number of Pump Strokes	4	2	1
Correction Factor	1/2	1	2
Sampling Time	1.5 minutes per pump stroke		
Detecting Limit	0.5 ppm (n=4)		
Colour Change	White → Brown		
Reaction Principle	$C_6H_5CH_3 + I_2O_5 + H_2SO_4 \rightarrow I_2$		
Coefficient of Variation	10% (for 2 to 10 ppm), 5% (for 10 to 50 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

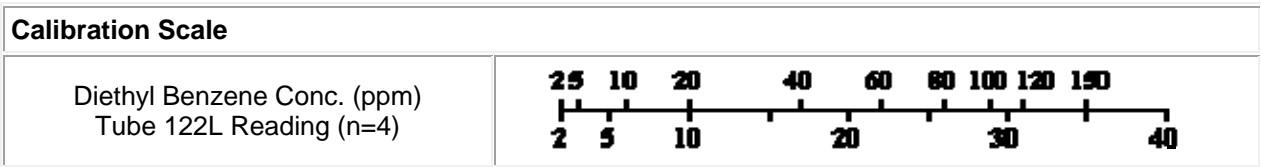
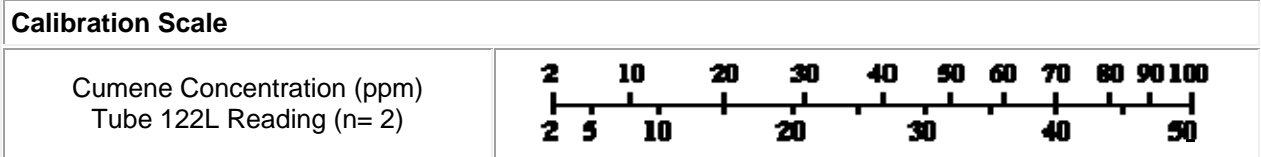
Substance	Interference	Change colour by itself
Acetylene, Ethylene, Hexane	No effect	No discoloration
Alcohols, Ketones, Esters	No effect	No discoloration
Aromatic hydrocarbons	Plus error	Produces brown colour

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Xylene	4,2,1	1,2,4	2 to 200ppm

Calibration Scale

Ethyl Benzene Conc. (ppm) Tube 122L Reading (n = 2)	
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Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
50ppm	-	1.4 to 6.7%