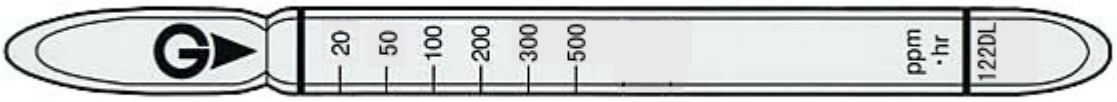
How to read this chart

Toluene C_6Humidity Correction$_5CH_3$ NO.122DL



Performance

Measuring Range	2 to 500 ppm
Sampling Hours	1 to 10 hours
Detecting Limit	2 ppm (10 hours)
Color Change	White ⟶ Brown
Reaction Principle	Toluene react with formaldehyde to form condensation polymer, which is brown in color.
Coefficient of Variation	10% (for 20 to 500 ppm-hr)
Shelf Life	2 Years
Corrections for temperature & humidity	Temperature correction is necessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences (NOTE)

Substance	Interference	Change color by itself
Aromatic HCs	Plus error	Produce brown stain
Alcohols, Ketones, Esters	No effect(30ppm≧)	No stain

Other substance measurable with this detector tube

Substance	Correction	Sampling Hours	Measuring range
Xylene	Factor: 1.7	1 to 10	3.4 to 850 ppm
Ethyl benzene	Factor: 1.4	1 to 10	2.8 to 700 ppm
Cumene	Factor: 1.7	1 to 10	3.4 to 850 ppm
Benzene	Factor: 1.2	1 to 10	2.4 to 600 ppm

Calibration gas generation Diffusion tube method

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