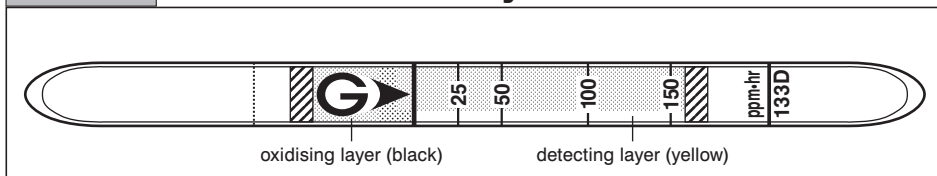


Dosi-tube

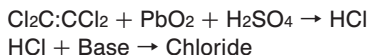
Tetrachloroethylene $\text{Cl}_2\text{C}:\text{CCl}_2$ No.133D



Performance

Measuring range	3 to 150 ppm
Sampling time	1 to 8 hours
Colour change :	Yellow → Purple
Corrections for temperature & humidity :	Temperature correction is necessary.
Relative standard deviation :	15 % (for 25 to 50 ppm·hr), 10 % (for 50 to 150 ppm·hr)
Shelf life :	1 year (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride		+	} Purple
Chlorine		+	
1,2-Dichloroethylene		+	
Trichloroethylene		+	
Toluene, Xylene		No	No

Calibration gas generation

Diffusion tube method