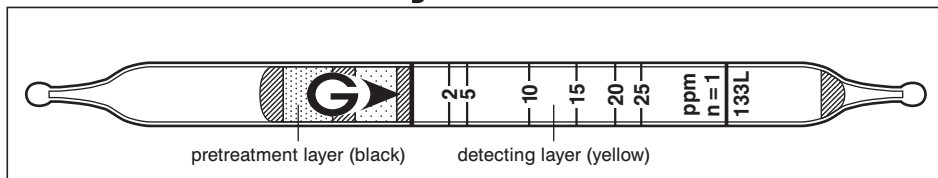


# Tetrachloroethylene $\text{Cl}_2\text{C}:\text{CCl}_2$ No.133L



## Performance

Measuring range	1 to 2 ppm	2 to 25 ppm	25 to 75 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	3
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.4 ppm (2 pump strokes)

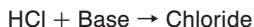
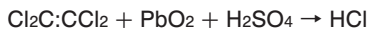
Colour change : Yellow → Pink

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 2 to 5 ppm), 5 % (for 5 to 25 ppm)

Shelf life : 2 years (in the refrigerator)

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine		+	Pink
Hydrogen chloride		+	
Unsaturated halogenated hydrocarbons		+	
Aromatic hydrocarbons	≧ 100 ppm	-	No
Acetone	≧ 200 ppm	No	
Nitric oxide		No	
Nitrogen dioxide		No	

## Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Pentachloroethane	Factor : 20	1	40 to 500 ppm

## Calibration gas generation

Diffusion tube method