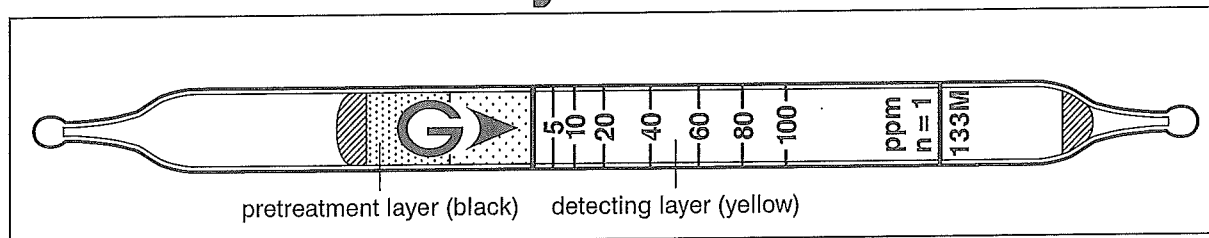


Tetrachloroethylene $\text{Cl}_2\text{C}:\text{CCl}_2$ No.133M

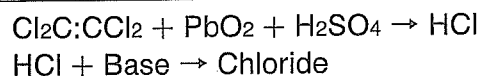


Performance

Measuring range	2 to 5 ppm	5 to 100 ppm	100 to 250 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.4	1	2.5
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.4 ppm (2 pump strokes)
 Colour change : Yellow → Reddish purple
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 10 % (for 5 to 20 ppm), 5 % (for 20 to 100 ppm)
 Shelf life : 2 years (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine		+	} Reddish purple
Hydrogen chloride		+	
Unsaturated halogenated hydrocarbons		+	
Aromatic hydrocarbons	≥ 100 ppm	-	} No
Acetone	≥ 200 ppm	No	
Nitric oxide		No	
Nitrogen oxides		No	

Calibration gas generation

Diffusion tube method

Special note

This detector tube can also be used with the Gastec Water Pollutant Analysis Systems to measure tetrachloroethylene in the water. With these systems, samples are collected by using a syringe. For detail, see page 5-9.