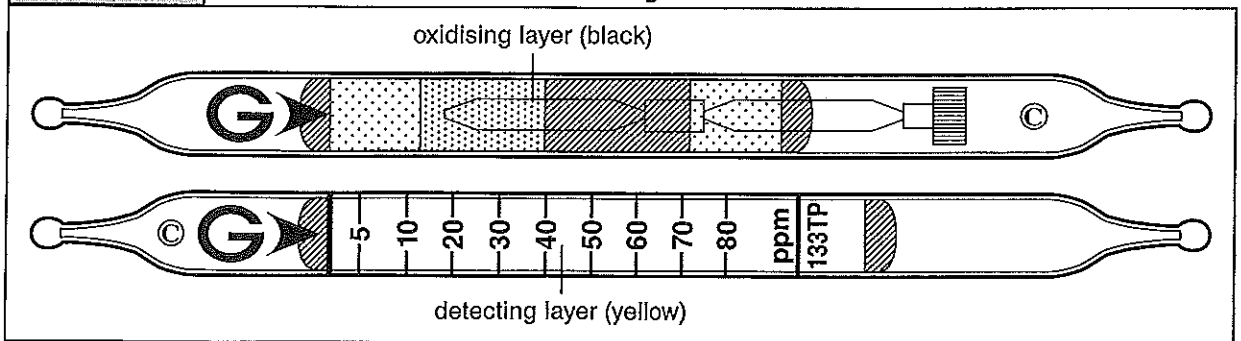


Detector tube

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

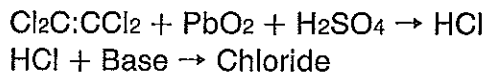


Performance

Measuring range	5 to 80 ppm
Sampling Rate	100 ml/min (1000 ml)
Correction factor	1
Sampling time	10 min

Detecting limit : 0.5 ppm (1000 ml)
 Colour change : Yellow → Reddish purple
 Corrections for temperature : Necessary for 0 to 40°C
 Corrections for humidity : Unnecessary for R.H. 5 to 90 %.
 Relative standard deviation : 10 % (for 2 to 10 ppm), 5 % (for 10 to 50 ppm)
 Shelf life : 2 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride	$\geq 1/5$	+	Reddish purple
Chlorine	$\geq 1/20$	-	White
Vinyl chloride	$\geq 1/5$	+	Reddish purple
1,2-Dichloroethylene	$\geq 1/5$	+	Reddish purple
Trichloroethylene	$\geq 1/5$	+	Reddish purple
1,1,1-Trichloroethane	≥ 800 ppm	No	No
Toluene, Xylene	≥ 25 ppm	-	No

Calibration gas generation

Diffusion tube method