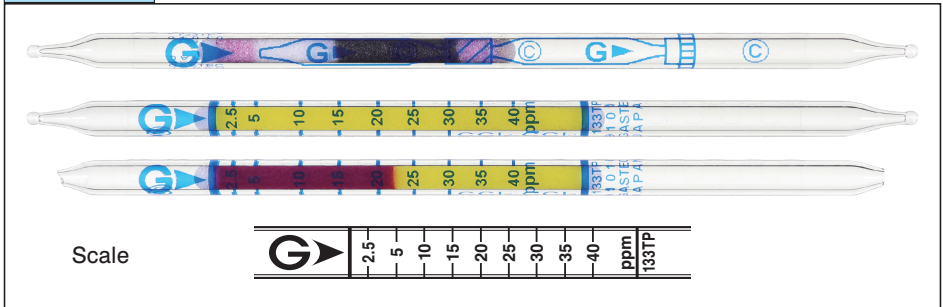


Detector tube

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



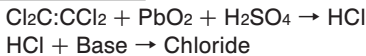
Performance

When used, these tubes are to be connected. See page 2-3.

Measuring range	2.5 to 40 ppm	40 to 84 ppm
Sampling rate	100 mL/min (1000 mL)	50 mL/min (500 mL)
Correction factor	1	2.1
Sampling time	10 min	10 min

Detecting limit : 0.25 ppm (1000 mL)
 Colour change : Yellow → Reddish purple
 Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction used
 Relative humidity 0 to 90 % correction not used
 Relative standard deviation : 10 % (for 2.5 to 15 ppm), 5 % (for 15 to 40 ppm)
 Tube quantity and number of tests per box : 10 tubes for 5 tests
 Shelf life : 24 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride	≧ 1/5	+	Reddish purple
Chlorine	≧ 1/10	-	Pale yellow
Vinyl chloride	≧ 1/5	+	Reddish purple
1,2-Dichloroethylene	≧ 1/5	+	Reddish purple
Trichloroethylene	≧ 1/5	+	Reddish purple
1,1,1-Trichloroethane	≧ 800 ppm	No	No
Toluene, Xylene	≧ 20 ppm	-	No

Calibration gas generation

Diffusion tube method