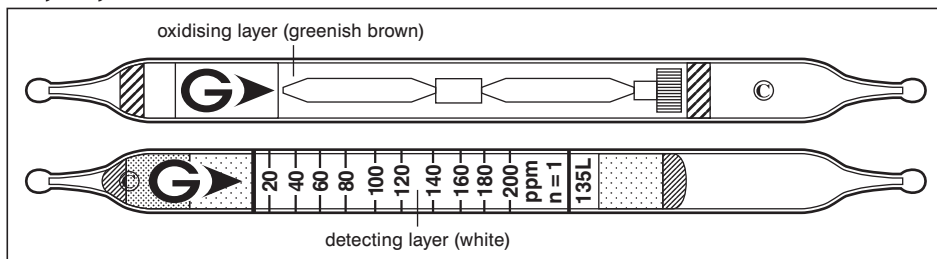


1,1,1-Trichloroethane CH_3CCl_3 No.135L



Performance

When used, these tubes are to be connected.

Measuring range	6 to 20 ppm	20 to 200 ppm	200 to 900 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.3	1	4.5
Sampling time	6 min	3 min	1.5 min

Detecting limit : 3 ppm (2 pump strokes)

Colour change : White → Pale pink

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 20 to 60 ppm) , 5 % (for 60 to 200 ppm)

Shelf life : 2 years

Reaction principle

1,1,1-Trichloroethane reacts with oxidising agent to produce intermediate products then it reacts with detecting agent to produce pale pink stain.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Halogens		+	Pale pink
Nitrogen oxides		+	Pale pink
Saturated halogenated hydrocarbons		+	Pale pink

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,2-Dichloroethane	Factor : 5.2	1	104 to 1040 ppm
1,1,2,2-Tetrabromoethane	Factor : 0.046	4	0.92 to 9.2 ppm
1,2,3-Trichloropropane	Factor : 1.8	4	36 to 360 ppm

Calibration gas generation

Diffusion tube method

Special note

This twin tube can also be used with the Gastec Water Pollutant Analysis Systems to measure 1,1,1-trichloroethane in the water. With these systems, samples are collected by using a syringe.