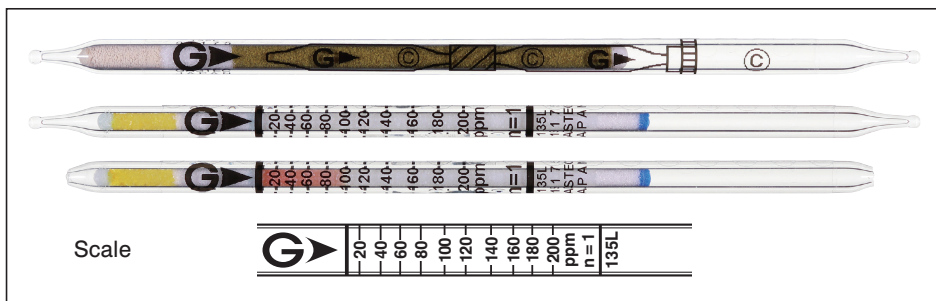


1,1,1-Trichloroethane CH_3CCl_3 No.135L

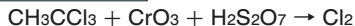


Performance

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

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		
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 20 to 60 ppm), 5 % (for 60 to 200 ppm)		
Tube quantity and number of tests per box :	10 tubes for 5 tests		
Shelf life :	27 months		

Reaction principle



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
1,1,1,2-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

High pressure gas cylinder 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.