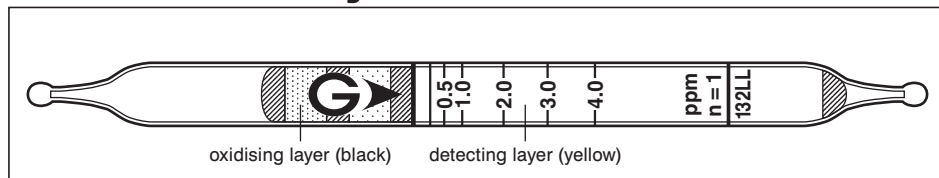


# Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$

No.132LL



**Performance** The minimum scale value (0.25ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.125 to 0.25 ppm	(0.25) to 4.0 ppm	4.0 to 8.8 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2.2
Sampling time	3 min	1.5 min	45 sec

Detecting limit : 0.05 ppm (2 pump strokes)

Colour change : Yellow → Purple

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.25 to 1.0 ppm), 5 % (for 1.0 to 4.0 ppm)

Shelf life : 2 years (in the refrigerator)

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine	$\cong 1/2$	+	} Purple
Hydrogen chloride	$\cong 1/2$	+	
Tetrachloroethylene	$\cong 1/2$	+	
1,1,1-Trichloroethane	$\cong 80$ ppm	No	No ( $\cong 80$ ppm)
Toluene, Xylene		No	No

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,2-Dichloroethylene	Factor : 1.5	1	0.375 to 6.0 ppm
Dichlorvos	Factor : 0.45	2	0.11 to 1.8 ppm

## Calibration gas generation

Diffusion tube method

## Special note

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