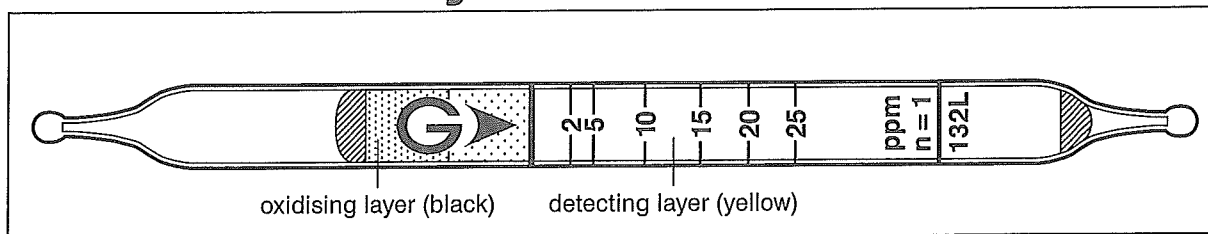


Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$

No. 132L



Performance

Measuring range	1 to 2 ppm	2 to 25 ppm	25 to 70 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2.8
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.4 ppm (2 pump strokes)

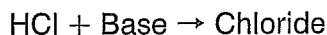
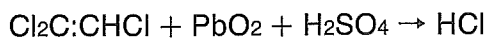
Colour change : Yellow → Purple

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 2 to 5 ppm), 5 % (for 5 to 25 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine		+	} Purple
Hydrogen chloride		+	
Unsaturated halogenated hydrocarbons		+	
Acetone	≤ 200 ppm	No	} No
Aromatic hydrocarbons	≥ 100 ppm	-	
Nitric oxide		No	
Nitrogen oxides		No	

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Benzyl chloride	Factor : 0.8	2	1.6 to 20 ppm

Calibration gas generation

Diffusion tube method

TLV-TWA : 10 ppm

TLV-STEL : 25 ppm