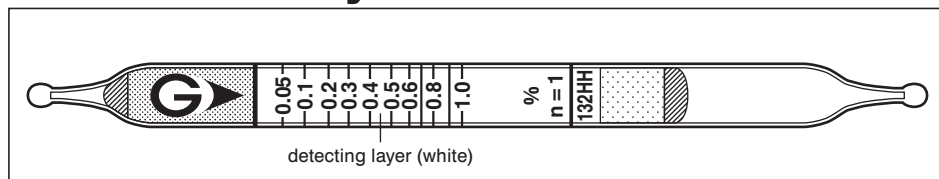


Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$ No.132HH



Performance

Measuring range	0.05 to 1.0 %	1.0 to 2.5 %
Number of pump strokes	1 (100 ml)	1/2 (50 ml)
Correction factor	1	2.5
Sampling time	45 sec	30 sec

Detecting limit : 0.005 % (1 Pump stroke)

Colour change : White → Yellowish brown
(Brown at demarcation)

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.05 to 0.3 %), 5 % (for 0.3 to 1 %)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene, Carbon monoxide	≥ 0.1 %	+	Dark brown
Ethylene	≥ 0.5 %	+	
Hydrocarbons ($\geq \text{C}_3$)		+	
Toluene, Xylene	≤ 3 times	No	Brown
1,1,1-Trichloroethane		+	Yellowish brown (ring)
Tetrachloroethylene		+	Yellowish brown
Acetone	≤ 6 times	No	Brown

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Tetrachloroethylene	Factor : 1.5	1	0.075 to 1.5 %

Calibration gas generation

Static gas dilution method