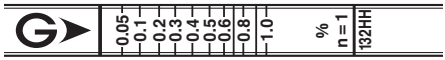
Trichloroethylene $Cl_2C{:}CHCl$ No.132HH



Scale



Performance

Measuring range	0.05 to 1.0 %	1.0 to 3.1 %
Number of pump strokes	1 (100 mL)	1/2 (50 mL)
Correction factor	1	3.1
Sampling time	45 sec	30 sec

Detecting limit : 0.005 % (1 pump stroke)
Colour change : White → Yellowish brown (Brown at demarcation)
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 0.05 to 0.3 %), 5 % (for 0.3 to 1 %)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 36 months

Reaction principle

$Cl_2C{:}CHCl + I_2O_5 + H_2S_2O_7 \rightarrow I_2$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene, Carbon monoxide	≧ 0.1 %	+	Blackish brown
Ethylene	≧ 0.5 %	+	
Hydrocarbons (≧ 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

Diffusion tube method

(Last updated: Jan. 2026)