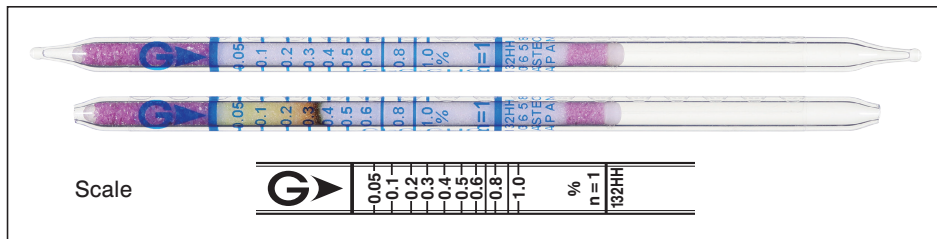


# Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$

## 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)	
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



### Possible coexisting substances and their interferences

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