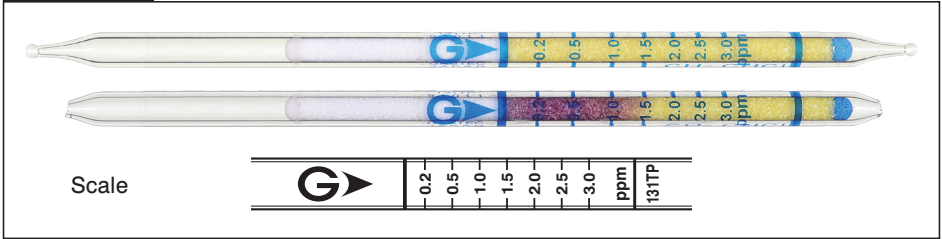


Detector tube

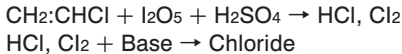
# Vinyl Chloride $\text{CH}_2:\text{CHCl}$ No.131TP



## Performance

Measuring range	0.2 to 3.0 ppm	3.0 to 9.6 ppm
Sampling rate	100 mL/min (1000 mL)	50 mL/min (500 mL)
Correction factor	1	3.2
Sampling time	10 min	10 min
Detecting limit :	0.08 ppm (1000 mL)	
Colour change :	Yellow → Reddish purple	
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 0.2 to 1.0 ppm), 5 % (for 1.0 to 3.0 ppm)	
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
Hydrogen chloride	$\geq$ 0.2 ppm	+	Reddish purple at 0.2 ppm
Chlorine	0.04 ppm	+	Reddish purple
Ethylene	$\geq$ 55 ppm	-	No
1,2-Dichloroethane	$\geq$ 10 ppm	No	No
Tetrachloroethylene	$\geq$ 50 ppm	No	Reddish purple at 500 ppm
Trichloroethylene	0.04 ppm	+	Reddish purple
Toluene	$\geq$ 1.0 ppm	-	No
Benzen	$\geq$ 0.8 ppm	-	No

## Calibration gas generation

Permeation tube method