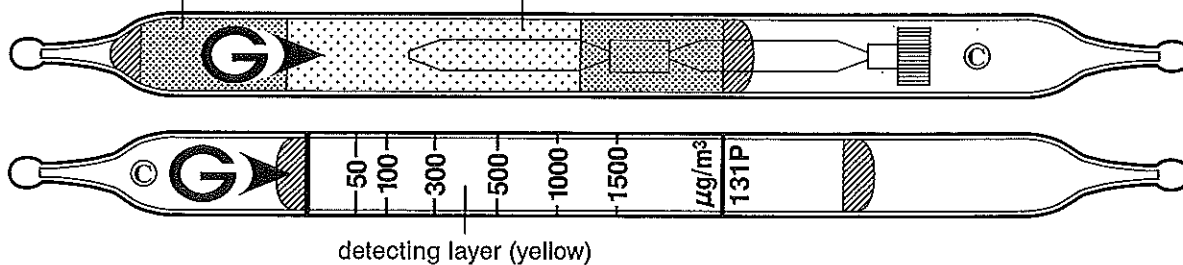


Detector tube

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

scrubber agent (reddish purple)    oxidising agent (black)

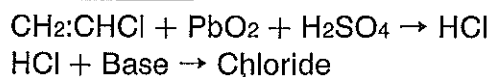


## Performance

|                   |                                     |
|-------------------|-------------------------------------|
| Measuring range   | 50 to 1500 $\mu\text{g}/\text{m}^3$ |
| Sampling Rate     | 100 ml/min (3000 ml)                |
| Correction factor | 1                                   |
| Sampling time     | 30 min                              |

Detecting limit : 10  $\mu\text{g}/\text{m}^3$  (3000ml)  
 Colour change : Yellow  $\rightarrow$  Pale reddish purple  
 Corrections for temperature : Necessary for 5 to 35°C (41 to 95°F)  
 Corrections for humidity : Unnecessary for R.H. 20 to 80 %.  
 Relative standard deviation : 10 % (for 50 to 500  $\mu\text{g}/\text{m}^3$ ), 5 % (for 500 to 1500  $\mu\text{g}/\text{m}^3$ )  
 Shelf life : 2 years

## Reaction principle



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

| Substance                   | Interference | Changes colour by itself to |
|-----------------------------|--------------|-----------------------------|
| Ammonia                     | No           | No                          |
| Hydrogen chloride, Chlorine | No           | No                          |
| Nitrogen oxides             | No           | No                          |
| p-Dichlorobenzene           | +            | Pale reddish purple         |
| 1,2-Dichloroethylene        | +            | Pale reddish purple         |
| Trichloroethylene           | +            | Pale reddish purple         |
| Tetrachloroethylene         | +            | Pale reddish purple         |
| 1,1,1-Trichloroethane       | No           | No                          |
| Aromatic hydrocarbons       | No           | No                          |
| Formaldehyde                | No           | No                          |

## Calibration gas generation

Permeation tube method

## Special note

In case of outdoor measurement, keep the tube out of direct sunlight.