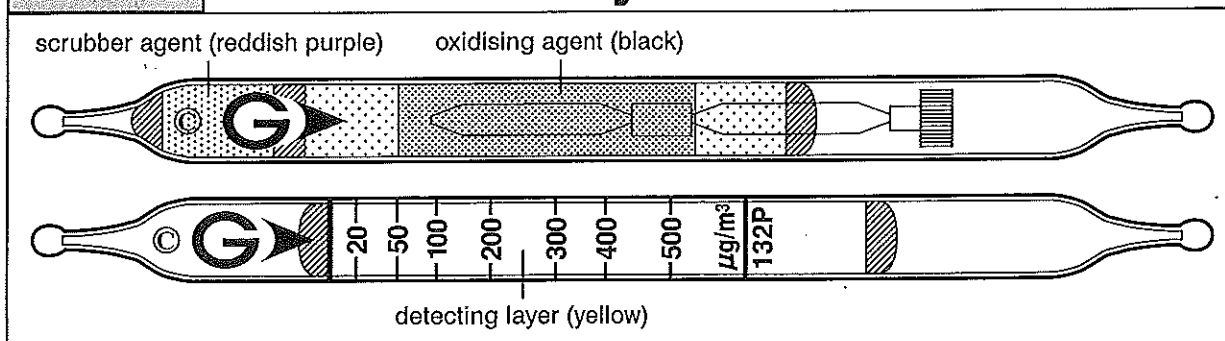


Detector tube

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

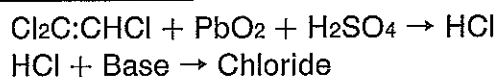


## Performance

Measuring range	20 to 500 $\mu\text{g}/\text{m}^3$	500 to 1200 $\mu\text{g}/\text{m}^3$
Sampling Rate	100 ml/min (3000 ml)	100 ml/min (1500 ml)
Correction factor	1	2.4
Sampling time	30 min	15 min

Detecting limit : 5  $\mu\text{g}/\text{m}^3$  (3000ml)  
 Colour change : Yellow  $\rightarrow$  Purple  
 Corrections for temperature : Necessary for 5 to 40°C  
 Corrections for humidity : Unnecessary for R.H. 20 to 80 %  
 Relative standard deviation : 10 % (for 20 to 100  $\mu\text{g}/\text{m}^3$ ), 5 % (for 100 to 500  $\mu\text{g}/\text{m}^3$ )  
 Shelf life : 2 years

## Reaction principle



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

Substance	Interference	Changes colour by itself to
Hydrogen chloride, Chlorine	No	No
Vinyl chloride	+	Purple
1,2-Dichloroethylene	+	Purple
Tetrachloroethylene	+	Purple
1,1,1-Trichloroethane	No	No
Toluene	No	No
Xylene	No	No

## Calibration gas generation

Permeation tube method

## Special note

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

TLV-TWA : 10 ppm

TLV-STEL : 25 ppm