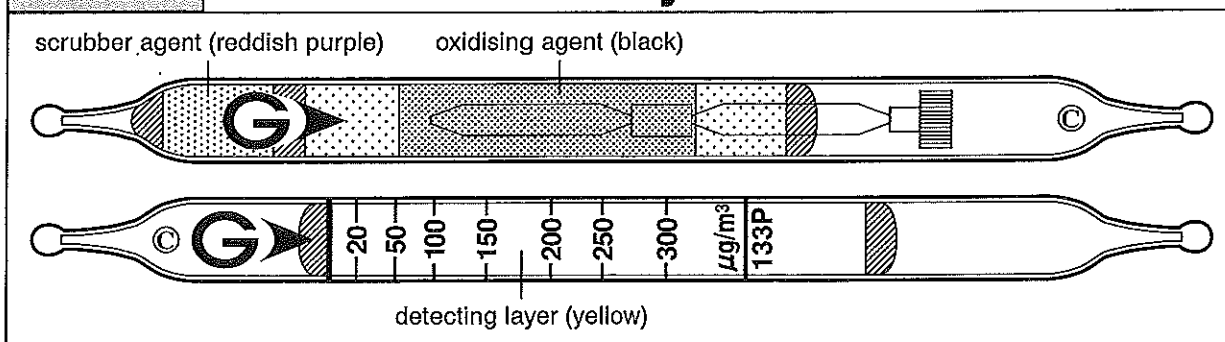


Detector tube

# Tetrachloroethylene $\text{Cl}_2\text{C}:\text{CCl}_2$ No.133P



## Performance

Measuring range	20 to 300 $\mu\text{g}/\text{m}^3$	300 to 720 $\mu\text{g}/\text{m}^3$
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  $\mu\text{g}/\text{m}^3$  (3000 ml)

Colour change : Yellow  $\rightarrow$  Purple

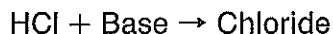
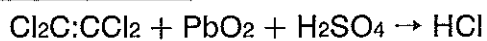
Corrections for temperature : Necessary for 5 to 40°C

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 300  $\mu\text{g}/\text{m}^3$ )

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
Trichloroethylene	+	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 : 25 ppm TLV-STEL : 100 ppm Explosive range : 10.8 to 54.5 % (in oxygen)