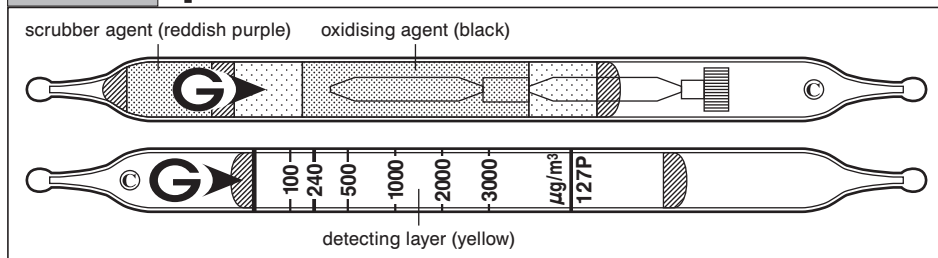


Detector tube

p-Dichlorobenzene $C_6H_4Cl_2$ No.127P

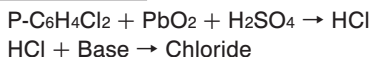


Performance

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

Detecting limit : 20 $\mu\text{g}/\text{m}^3$ (3000ml)
 Colour change : Yellow → Pale reddish purple
 Corrections for temperature : Necessary for 5 to 35°C
 Corrections for humidity : Unnecessary for R.H. 20 to 80 %
 Relative standard deviation : 10 % (for 100 to 1000 $\mu\text{g}/\text{m}^3$), 5 % (for 1000 to 3000 $\mu\text{g}/\text{m}^3$)
 Shelf life : 2 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Ammonia		No	No
Hydrogen chloride, Chlorine		No	No
Nitrogen oxides		No	No
Vinyl chloride		+	Pale reddish purple
1,2-Dichloroethylene		+	Pale reddish purple
Trichloroethylene		+	Pale reddish purple
Perchloroethylene		+	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.