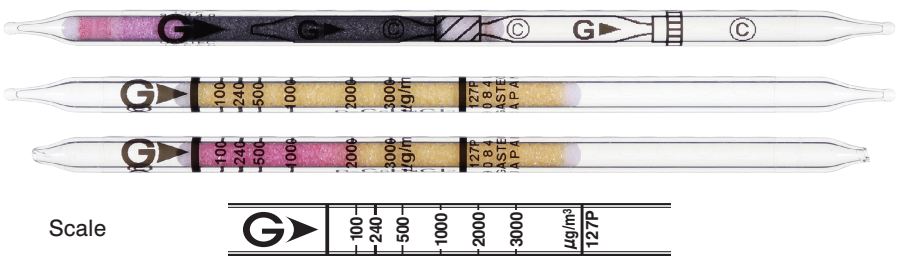
Detector tube

p-Dichlorobenzene $C_6H_4Cl_2$ No.127P



Performance

When used, these tubes are to be connected.

Measuring range	100 to 3000 $\mu g/m^3$
Sampling rate	100 mL/min (3000 mL)
Correction factor	1
Sampling time	30 min

Detecting limit : 20 $\mu g/m^3$ (3000 mL)
Colour change : Yellow → Pale reddish purple
Operating conditions : Temperature 5 to 35 °C (41 to 95 °F) correction used
Relative humidity 20 to 80 % correction not used
Relative standard deviation : 10 % (for 100 to 1000 $\mu g/m^3$), 5 % (for 1000 to 3000 $\mu g/m^3$)
Tube quantity and number of tests per box : 10 tubes for 5 tests
Shelf life : 24 months

Reaction principle

$p\text{-}C_6H_4Cl_2 + PbO_2 + H_2SO_4 \rightarrow HCl$
$HCl + Base \rightarrow Chloride$

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.