

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 → Pale reddish purple

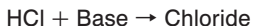
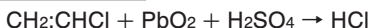
Corrections for temperature : Necessary for 5 to 35°C (41 to 95°F)

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

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.