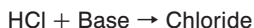


Performance

Measuring range	3 to 300 ppm
Sampling time	1 to 8 hours
Colour change :	Yellow → Purple
Corrections for temperature & humidity :	Temperature correction is necessary.
Relative standard deviation :	10 % (for 25 to 300 ppm · hr)
Shelf life :	1 year (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride		+	} Purple
Chlorine		+	
1,2-Dichloroethylene		+	
Trichloroethylene		+	
Toluene, Xylene		No	No

Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Chlorine	Factor : 0.8	} 1 to 8 hours	2.4 to 240 ppm
1,2-Dichloroethylene	Factor : 2.0		6 to 600 ppm
Hydrogen chloride	Factor : 0.6		1.8 to 180 ppm
Tetrachloroethylene	Factor : 0.5		1.5 to 150 ppm

Calibration gas generation

Diffusion tube method