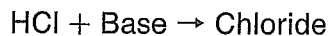


detecting layer (yellow)

### Performance

Measuring range :	1 to 100 ppm
Sampling time :	1 to 10 hours
Colour change :	Yellow → Purple
Corrections for temperature & humidity :	Temperature & humidity corrections are necessary.
Relative standard deviation :	10 % (for 10 to 100 ppm·hr)
Shelf life :	3 years

### Reaction principle



### Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Chlorine	$\geq 1/5$	+	Bleaches zero zone
Nitric acid	$\geq 1/5$	+	} Purple
Hydrogen fluoride	$\geq 1/1$	+	

### Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Hydrogen fluoride	Factor : 2.5	} 1 to 10 hours	2.5 to 250 ppm
Nitric acid	Factor : 0.8		0.8 to 80 ppm

### Calibration gas generation

Diffusion tube method