



detecting layer (purple)

Performance

Measuring range	0.5 to 100 ppm
Sampling time	1 to 10 hours
Colour change :	Purple → Yellow
Corrections for temperature & humidity :	Temperature correction is necessary.
Relative standard deviation :	10 % (for 5 to 100 ppm·hr)
Shelf life :	3 years

Reaction principle**Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride		+	} Yellow
Nitric acid		+	
Chlorine, Nitrogen dioxide		+	
Hydrogen cyanide		+	
Sulphur dioxide		+	

Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Acetic anhydride	Factor : 0.6	} 1 to 10 hours	0.3 to 60 ppm
Formic acid	Factor : 1.1		0.55 to 110 ppm

Calibration gas generation

Diffusion tube method