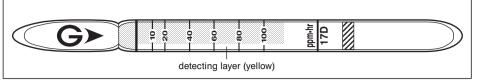
Hydrogen Fluoride HF No.17D



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 : 15 % (for 10 to 20 ppm·hr),

10 % (for 20 to 100 ppm·hr)

Shelf life: 3 years

Reaction principle

HF + Indicator → Purple product

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Chlorine	≧ 1/5	+ (Bleaches zero zone)	Bleaches zero zone
Nitric acid Hydrogen chloride	≥ 1/5 ≥ 1/5	++	Purple

Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Hydrogen chloride	Factor: 0.4	} 1 to 10 hours	0.4 to 40 ppm
Nitric acid	Factor: 0.32		0.32 to 32 ppm

Calibration gas generation

Permeation tube method