

**Performance**

Measuring range	1 to 100 ppm
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Sampling time	1 to 10 hours
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Colour change : Yellow → Purple

Corrections for temperature & humidity : Temperature correction is necessary.
Humidity correction is 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 → Reaction product

Possible coexisting substances and their interferences

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

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