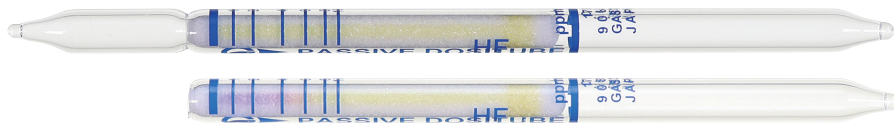
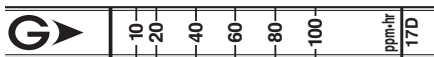


Dosi-tube

Hydrogen Fluoride HF No.17D



Scale



Performance

Measuring range	1 to 100 ppm
Sampling time	1 to 10 hours
Colour change :	Yellow → Purple
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 30 to 80 % correction used
Relative standard deviation :	15 % (for 10 to 20 ppm · hr), 10 % (for 20 to 100 ppm · hr)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

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