



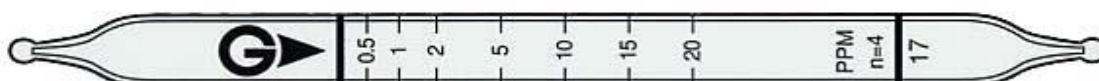
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Gastec Tube Datasheet

Hydrogen Fluoride

HF

NO.GAS17



Measuring Range	0.25 to 0.5 ppm	0.5 to 20 ppm	20 to 100 ppm
Number of Pump Strokes	7	4	1
Correction Factor	1/2	1	5
Sampling Time	45 seconds per pump stroke		
Detecting Limit	0.1ppm (n=7)		
Colour Change	Yellow → Brownish Pink		
Reaction Principle	Hydrogen Fluoride reacts with indicator to produce brownish pink colour. HF + Indicator → Chemical reaction compound		
Coefficient of Variation	10% (for 0.5 to 5 ppm), 5% (for 5 to 20 ppm)		
Shelf Life	Up to 3 Years		
Corrections for temperature & humidity	Humidity correction is necessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Hydrogen Chloride, Nitric acid	≥1/5 time	Plus error	brownish pink stain
Chlorine, Nitrogen Dioxide	≥1/10 time	Plus error	brownish pink stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Stroke	Temperature	Absolute Humidity	Colour Change
Fluorine	2.5	1	20°C (68°F)	9 mg/l	Produces brown stain
	1.0	1	20°C (68°F)	3 mg/l	

Calibration gas generation Permeation tube method

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