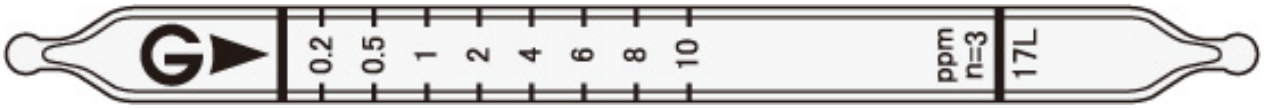
Hydrogen fluoride HF NO.17L



Performance

Measuring Range	0.09 to 0.2 ppm	0.2 to 10 ppm	10 to 72 ppm
Number of Pump Strokes	5	3	1
Correction Factor	0.45	1	7.2
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.05ppm (n=5)		
Colour Change	Yellow → Brown		
Reaction Principle	Hydrogen fluoride reacts with indicator to produce reddish brown colour.		
Coefficient of Variation	10% (for 0.2 to 2 ppm), 5% (for 2 to 10 ppm)		
Shelf Life	2 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
Nitric acid	≧1/5 time	Plus error	Reddish purple
Hydrogen chloride	≧1/2 time	Plus error	Reddish purple
Nitrogen dioxide	-	No error	None

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
0.5 ppm	C 2 ppm	-