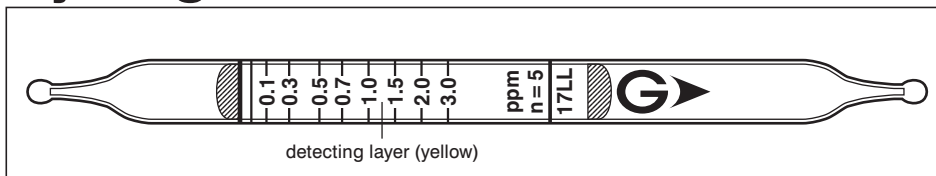


Hydrogen Fluoride HF

No.17LL



Performance The minimum scale value (0.05ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.05 to 3.0 ppm	3.0 to 6.9 ppm	6.9 to 24 ppm
Number of pump strokes	5 (500 ml)	3 (300 ml)	1 (100 ml)
Correction factor	1	2.3	8.0
Sampling time	5 min	3 min	1 min

Detecting limit : 0.025 ppm (5 pump strokes)

Colour change : Yellow → Brown

Corrections for temperature & humidity : Temperature correction is necessary
Humidity correction is necessary

Relative standard deviation : 10 % (for 0.05 to 1.0ppm), 5 % (for 1.0 to 3.0ppm)

Shelf life : 2 years

Reaction principle

Hydrogen fluoride reacts with indicator to produce brown stain.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Nitric acid	≥ 1.0 ppm	+	Pale reddish violet
Hydrogen chloride	≥ 0.1 ppm	+	Reddish violet
Hydrogen peroxide	10 ppm	No	No

Calibration gas generation

Permeation tube method