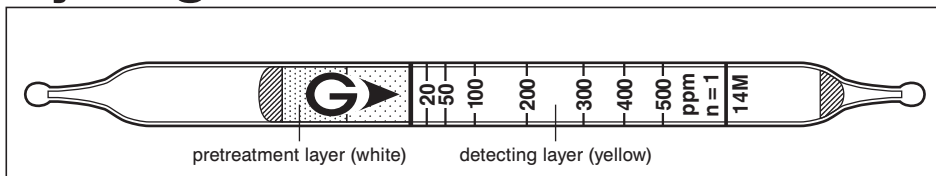


Hydrogen Chloride HCl

No.14M



Performance

Measuring range	10 to 20 ppm	20 to 500 ppm	500 to 1000 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 2.5 ppm (2 pump strokes)
Colour change : Yellow → Red
Corrections for temperature & humidity : Unnecessary
Relative standard deviation : 10 % (for 20 to 100 ppm), 5 % (for 100 to 500 ppm)
Shelf life : 3 years

Reaction principle

HCl + Base → Chloride

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen fluoride	≧ 600 ppm	No	Red (≧ 600 ppm)
Nitric acid	≧ 1/10	+	Red
Nitrogen dioxide	≧ 1/2	No	Red (≧ 500 ppm)

Water vapour and up to 600 ppm of hydrogen fluoride are trapped in the pretreatment (white) layer.

Calibration gas generation

High pressure gas cylinder method