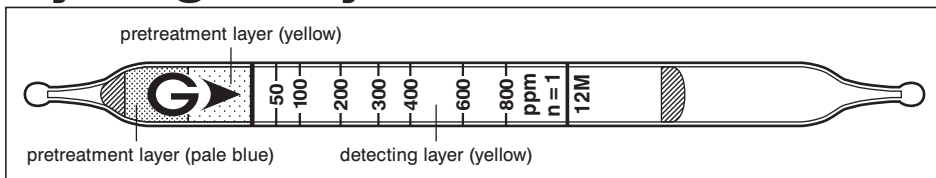


# Hydrogen Cyanide HCN

No.12M



## Performance

Measuring range	17 to 50 ppm	50 to 800 ppm	800 to 2400 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/3	1	3
Sampling time	2 min	1 min	30 sec

Detecting limit : 1 ppm (2 pump strokes)

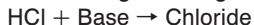
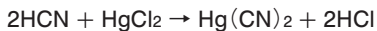
Colour change : Yellow → Red

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 50 to 200 ppm), 5 % (for 200 to 800 ppm)

Shelf life : 3 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide	$\geq 500$ ppm	+	} Red
Sulphur dioxide	$\geq 500$ ppm	+	

Chlorine, hydrogen sulphide (up to 500 ppm), and nitric acid are trapped in the pretreatment (pale blue and yellow) layers. If the pretreatment reagent is entirely consumed, a higher reading will be given.

## Calibration gas generation

Permeation tube method