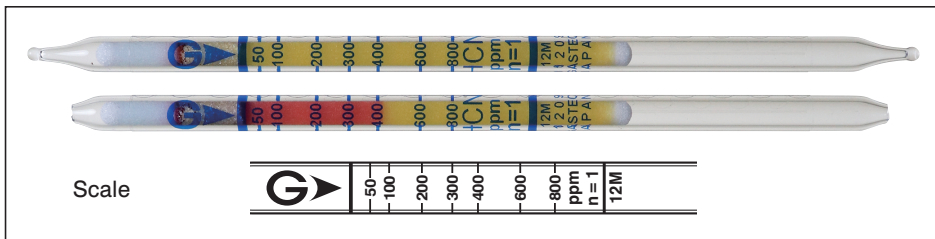


Hydrogen Cyanide HCN

No.12M

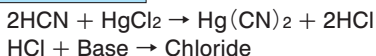


Performance

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
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 50 to 200 ppm), 5 % (for 200 to 800 ppm)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

Reaction principle



Possible coexisting substances and their interferences

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