

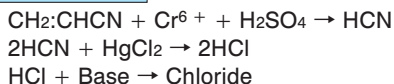
Performance

When used, these tubes are to be connected.

Measuring range	0.1 to 0.2 ppm	0.2 to 6.0 ppm	6.0 to 18.0 ppm
Number of pump strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Correction factor	1/2	1	3
Sampling time	8 min	4 min	2 min

Detecting limit : 0.05 ppm (4 pump strokes)
 Colour change : Yellow → Pink
 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 0.2 to 2.0 ppm) , 5 % (for 2.0 to 6.0 ppm)
 Tube quantity and number of tests per box : 10 tubes for 5 tests
 Shelf life : 36 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetone cyanohydrin		+	} Pink
Nitriles ($\geq \text{C}_3$)		+	
Alcohols, Esters, Ketones		No	} No
Aromatic hydrocarbons		No	
Hydrogen chloride		No	
Hydrogen cyanide		No	

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Butyronitrile	Factor : 30	1	6 to 180 ppm
2-Methyl-3-butenitrile	Factor : 2.0	2	0.4 to 12.0 ppm
2-Pentenenitrile	Factor : 1.2	2	0.24 to 7.2 ppm
3-Pentenenitrile	Factor : 2.0	2	0.4 to 12.0 ppm

Calibration gas generation

Diffusion tube method