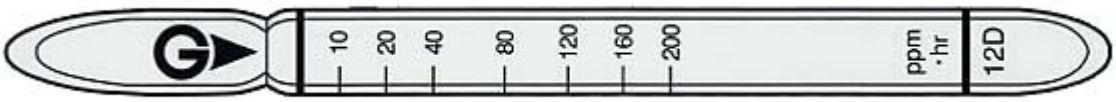
How to read this chart

Hydrogen cyanide HCN NO.12D



Performance

Measuring Range	1 to 200 ppm
Sampling Hours	1 to 10 hours
Detecting Limit	0.4 ppm (10 hours)
Color Change	Yellow ⟶ Red
Reaction Principle	Hydrogen cyanide react with mercury chlorideto discolor the indicator to red.
Coefficient of Variation	10% (for 10 to 200 ppm-hr)
Shelf Life	3 Years
Corrections for temperature & humidity	Humidity correction is necessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Ammonia	-	Minus error	No discoloration
Nitrogen dioxide	-	Plus error	Produce reddish stain
Hydrogen sulfide	-	Plus error	Produce reddish stain
Amines	-	Minus error	No discoloration

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
-	C 4.7 ppm	5.6 to 40%

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