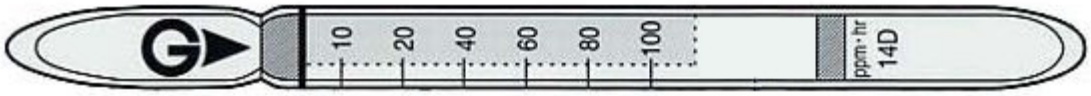
How to read this chart

Hydorogen chloride HCl NO.14D



Performance

Measuring Range	1 to 100 ppm
Sampling Hours	1 to 10 hours
Detecting Limit	0.5 ppm (10 hours)
Color Change	Yellow ⟶ Purple
Reaction Principle	Hydrogen chloride react with base to discolor the indicator to purple.
Coefficient of Variation	10% (for 10 to 100 ppm-hr)
Shelf Life	3 Years
Corrections for temperature & humidity	Temperature correction is necessary 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
Chlorine	1/5 times	Plus error (Bleaches zero zone)	Bleaches zero zone
Nitric acid	1/5 times	Plus error	Produce purple stain
Hydrogen fluoride	1 time	Plus error	Produce purple stain

Other substance measurable with this detector tube

Name of Substance	Correction Factor	Measuring Range
Nitric acid Hydrogen fluoride	0.8 2.5	0.8 to 80 ppm 2.5 to 250 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
-	C 5ppm	-