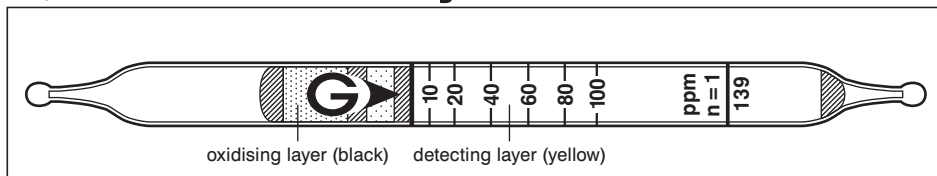


1,2-Dichloroethylene ClCH:CHCl No.139

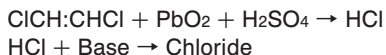


Performance

Measuring range	5 to 10 ppm	10 to 100 ppm	100 to 250 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2.5
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 1 ppm (2 pump strokes)
 Colour change : Yellow → Reddish purple
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 10 % (for 10 to 20 ppm), 5 % (for 20 to 100 ppm)
 Shelf life : 2 years (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Halogens		+	} Reddish purple
Hydrogen chloride		+	
Tetrachloroethylene		+	
Trichloroethylene		+	
Nitric oxide		No	No
Nitrogen oxides		No	No

Calibration gas generation

Diffusion tube method