

1. PERFORMANCE

- 1) Measuring range : 10-300 ppm 5-150 ppm
- Number of pump strokes : 1/2 (50mℓ) 1 (100mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 1 ppm (100mℓ)
- 4) Shelf life : 2 years (Necessary to store in refrigerated conditions ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow → Red

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION

By decomposing with an Oxidizer, Hydrogen chloride is produced and PH indicator is discoloured.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

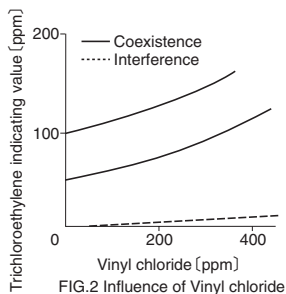
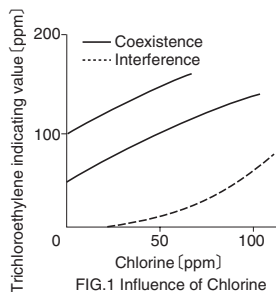
5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Vinyl chloride FIG.2	Similar stain is produced.	Higher readings are given.
Hydrogen chloride	∕	∕
1,2-Dichloroethylene	∕	∕
Tetrachloroethylene	∕	∕
Chlorine FIG.1	Pale red stain is produced.	

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 2 × Temperature corrected value



TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
150	—	162	150	144	142
100	120	108	100	96	94
50	58	53	50	48	46
30	34	32	30	29	28
20	20	20	20	20	20