

## 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 a refrigerated place ; 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

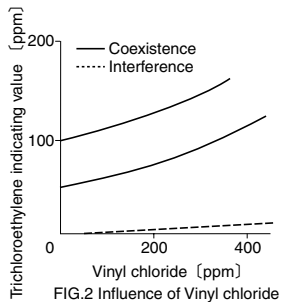
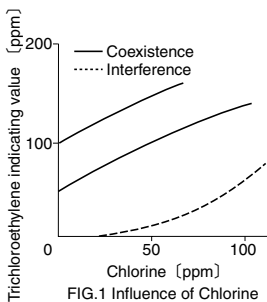
## 5. INTERFERENCE AND CROSS SENSITIVITY

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

Scale Readings (ppm)	True 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