

## 1. PERFORMANCE

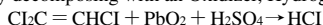
- |                             |  |           |
|-----------------------------|--|-----------|
| 1) Measuring range          | : 10-300 ppm   | 5-150 ppm |
| Number of pump strokes      | 1/2 (50mℓ)   | 1 (100mℓ) |
| 2) Sampling time            | : 2 minutes/1 pump stroke  |           |
| 3) Detectable 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

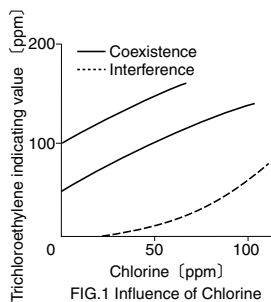


FIG.1 Influence of Chlorine

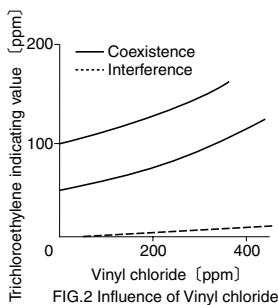


FIG.2 Influence of Vinyl chloride

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