

## 1. PERFORMANCE

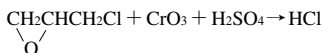
- 1) Measuring range : 5-50 ppm  
Number of pump strokes : 3 (300ml)
- 2) Sampling time : 2 minutes/3 pump strokes
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 3 pump strokes
- 8) Colour change : Greenish yellow → Pink

## 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
Halogenated hydrocarbons FIG.1	Similar stain is produced.	Higher readings are given.

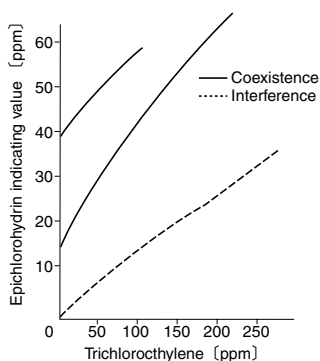


FIG.1 Influence of Trichloroethylene

TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)							
	0 °C (32 °F)	5 °C (41 °F)	10 °C (50 °F)	15 °C (59 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)	
50	—	—	70	60	50	42	37	
40	—	—	57	47	40	34	30	
30	—	61	42	35	30	25	23	
20	80	39	29	24	20	17	15	
10	33	19	15	12	10	9	8	
5	15	10	8	6	5	5	4	