

## 1. PERFORMANCE

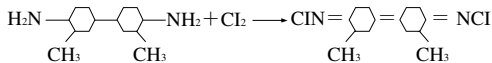
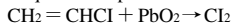
- 1) Measuring range : 5-500 ppm  
Number of pump strokes 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 1.5 years (Necessary to store in a refrigerated place ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Reddish orange

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 15 %    RSD-mid. : 10 %    RSD-high : 10 %

## 3. CHEMICAL REACTION

By decomposing with an Oxidizer, Chlorine is produced. This Chlorine reacts with *o*-Toluidine and red Orthoquinone is produced.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Hydrogen chloride	Similar stain is produced.		Higher readings are given.
Chlorine	∕		∕
Other halogens or Halogenated hydrocarbons	∕		∕

### 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)	
500	—	—	820	600	500	430	400	
400	—	850	610	470	400	340	310	
300	—	640	440	350	300	250	230	
200	750	400	300	230	200	160	140	
100	340	200	150	120	100	80	70	
50	150	100	70	60	50	40	30	
20	50	40	30	25	20	15	10	
10	25	20	15	10	10	10	5	
5	15	10	10	5	5	5	5	