

1. PERFORMANCE

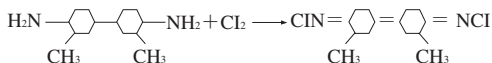
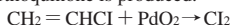
- 1) Measuring range : 5-500 ppm
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 1.5 years (Necessary to store in refrigerated conditions ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation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

Tube Readings (ppm)	Corrected 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	8	6
5	15	10	10	5	5	5	5