

## 1. PERFORMANCE

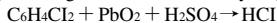
- 1) Measuring range : 10-150 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 6 ppm
- 4) Shelf life : 1 year (Necessary to store in a refrigerated place ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Blueish purple

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting 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
Benzene		Similar stains are produced and higher readings are given.
Toluene		∕
Hexane	Blueish green stains are produced and the top of discoloured layer becomes unclear.	∕
Ethanol	The accuracy of reading is not affected.	The accuracy of reading is not affected.

## TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)						
	10 °C (50° F)	15 °C (59° F)	20 °C (68° F)	25 °C (77° F)	30 °C (86° F)	35 °C (95° F)	40 °C (104° F)
150	—	—	150	108	86	48	30
100	—	—	100	72	46	37	26
50	110	80	50	28	26	21	16
20	50	27	20	14	10	8	6
10	22	15	10	8	6	5	4