

## 1. PERFORMANCE

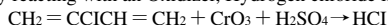
- |                             |  |            |
|-----------------------------|--|------------|
| 1) Measuring range          | : 1-20 ppm   | 0.5-10 ppm |
| Number of pump strokes      | 1 (100mℓ)  | 2 (200mℓ)  |
| 2) Sampling time            | : 3 minutes/2 pump strokes                                   |            |
| 3) Detectable limit         | : 0.01 ppm (200mℓ)   |            |
| 4) Shelf life               | : 3 years  |            |
| 5) Operating temperature    | : 0 ~ 40 °C  |            |
| 6) Temperature compensation | : Necessary (20-40 °C) (See "TEMPERATURE CORRECTION TABLE")  |            |
| 7) Reading                  | : Direct reading from the scale calibrated by 2 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 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	ppm	Coexistence
Acetylene	The accuracy of readings is not affected.	1%	Lower readings are given.
Ethylene	∕		∕
Hydrogen chloride		1,000	Higher readings are given.
Chlorine	Similar stain is produced.		∕
Vinyl chloride	∕		∕

(NOTE)

In case of 1 pump stroke, following formula is available for the actual concentration.

Actual concentration = 2 × Temperature corrected value.

### TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)			
	0 °C-10 °C (32-50 °F)	30 °C (86 °F)	35 °C (95 °F)	40 °C (104 °F)
16.0	16.0	14.3	13.6	12.1
14.0	14.0	12.6	11.9	10.6
12.0	12.0	11.1	10.5	9.3
10.0	10.0	9.5	9.0	8.0
8.0	8.0	7.6	7.2	6.4
6.0	6.0	5.8	5.4	4.8
4.0	4.0	3.8	3.5	3.1
2.0	2.0	1.9	1.8	1.5
1.0	1.0	1.0	0.9	0.8
0.5	0.5	0.5	0.45	0.4