

1. PERFORMANCE

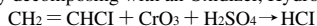
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|-----------------------------|--|-------------|-------------|
| 1) Measuring range | : 0.4-12.0 ppm | 0.2-6.0 ppm | 0.1-3.0 ppm |
| Number of pump strokes | 1 (100mℓ) | 2 (200mℓ) | 4 (400mℓ) |
| 2) Sampling time | : 3 minutes/2 pump strokes | | |
| 3) Detectable limit | : 0.05 ppm (400mℓ) | | |
| 4) Shelf life | : 3 years | | |
| 5) Operating temperature | : 0 ~ 40 °C | | |
| 6) Temperature compensation | : Necessary (0 ~ 15 °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 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	ppm	Coexistence
Acetylene		1 %	Lower readings are given.
Ethylene FIG.1		300	∕
Hydrogen chloride		200	Higher readings are given.
Chlorine	Similar stain is produced.	10 × Vinyl chloride conc.	∕

(NOTE)

In case of 1 or 4 pump strokes, following formula is available for the actual concentration.

Actual concentration = Temperature corrected value × 2/Number of strokes

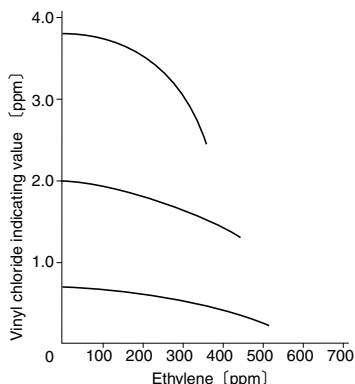


FIG.1 Influence of Ethylene

TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)			
	0 °C (32° F)	5 °C (41° F)	10 °C (50° F)	15 ~ 40 °C (59° F)(104° F)
6.0	10.0	8.2	7.0	6.0
5.0	8.2	6.8	5.7	5.0
4.0	6.7	5.5	4.7	4.0
3.0	4.9	4.1	3.5	3.0
2.0	3.3	2.7	2.3	2.0
1.0	1.6	1.3	1.2	1.0