

1. PERFORMANCE

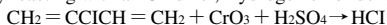
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|-----------------------------|--|------------|
| 1) Measuring range | : 1-20 ppm | 0.5-10 ppm |
| Number of pump strokes | 1 (100mℓ) | 2 (200mℓ) |
| 2) Sampling time | : 3 minutes/2 pump strokes | |
| 3) Detectable limit | : 0.01 ppm (200mℓ) | |
| 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 chlorine	∕		∕

(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