



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 ~ 20 °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 chlorine is produced and PH indicator is discoloured.



4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Acetylene		4 %	Lower readings are given.
Ethylene		400	∕
Hydrogen chloride		Less than 500	The accuracy of readings is not affected.
Chlorine		Less than 50	∕

(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

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)	20-40 °C (68-104 °F)
6.0	9.4	8.3	7.4	6.8	6.0
5.0	7.6	6.8	6.1	5.6	5.0
4.0	6.1	5.5	5.0	4.5	4.0
3.0	4.6	4.0	3.6	3.3	3.0
2.0	3.0	2.7	2.4	2.2	2.0
1.0	1.5	1.4	1.3	1.2	1.0