



1. PERFORMANCE

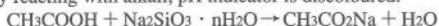
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|-----------------------------|---|-----------|
| 1) Measuring range | : 1.25-125 ppm | 0.5-50ppm |
| Number of pump strokes | 1/2 (50mL) | 1 (100mL) |
| 2) Sampling time | : 1.5 minutes / 1 pump stroke | |
| 3) Detectable limit | : 0.2 ppm | |
| 4) Shelf life | : 3 years | |
| 5) Operating temperature | : 0~40°C | |
| 6) Temperature compensation | : Necessary (See "TABLE OF COEFFICIENT FOR TEMPERATURE CORRECTION") | |
| 7) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 8) Colour change | : Pale pink → Yellow | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with alkali, pH indicator is discoloured.



4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Sulphur dioxide		Similar stain is produced.	1/20× Acetic acid	Higher readings are given.
Nitrogen dioxide	300	∕	10	The maximum end point of the stain is indiscernable.
Hydrogen chloride FIG.1		Pink stain is produced.	2× Acetic acid	Higher readings are given.
Chlorine FIG.2		Yellow stain is produced.	5	∕

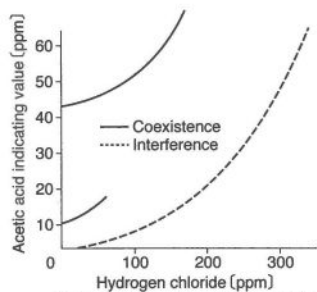


FIG.1 Influence of Hydrogen chloride

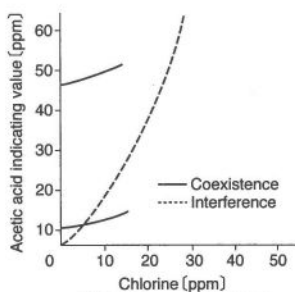


FIG.2 Influence of Chlorine

TABLE OF COEFFICIENT FOR TEMPERATURE CORRECTION (BASED ON 20°C)

Temperature(°C)	0	5	10	15	20	25	30	35	40
Correction factor	1.24	1.17	1.10	1.05	1.00	0.95	0.90	0.85	0.80