

## 1. PERFORMANCE

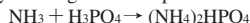
- |                             |   |           |           |
|-----------------------------|---|-----------|-----------|
| 1) Measuring range          | : 10-200 ppm  | 5-100 ppm | 1-20 ppm  |
| Number of pump strokes      | 1/2 (50mℓ)  | 1 (100mℓ) | 5 (500mℓ) |
| 2) Sampling time            | : 1 minute/1 pump stroke                                    |           |           |
| 3) Detectable limit         | : 0.2 ppm (500mℓ)   |           |           |
| 4) Shelf life               | : 3 years   |           |           |
| 5) Operating temperature    | : 0 ~ 40 °C   |           |           |
| 6) Temperature compensation | : Necessary (See "TEMPERATURE CORRECTION TABLE")            |           |           |
| 7) Reading                  | : Direct reading from the scale calibrated by 1 pump stroke |           |           |
| 8) Colour change            | : Pale purple → Pale yellow                                 |           |           |

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10%    RSD-mid. : 5%    RSD-high : 5%

## 3. CHEMICAL REACTION

By reacting with Phosphoric acid, PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Amines	Similar stain is produced.	Higher readings are given.
Chlorine	The accuracy of readings is not affected.	Lower readings are given.
Sulphur dioxide	∕	∕

(NOTE)

When the concentration is below 5 ppm, 5 pump strokes can be used to determine the lower concentration and following formula is available to obtain the actual concentration.

Actual concentration = Temperature corrected concentration × 1/5

When the concentration is over 100 ppm, 1/2 pump strokes can be used to determine the higher concentration and following formula is available to obtain the actual concentration.

Actual concentration = Temperature corrected concentration × 2

COEFFICIENT TABLE FOR TEMPERATURE CORRECTION (AT 20 °C)

Temperature (°C)	0	1	2	3	4	5	6	7	8	9	10 ~ 40
Coefficient	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00

Actual concentration = Reading value × Coefficient for temperature correction