



1. PERFORMANCE

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|--------------------------|---|-----------|-----------|
| 1) Measuring range | : 4-40 ppm | 2-20 ppm | 0.4-4 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) Reading | : Direct reading from the scale calibrated by 1 pump stroke | | |
| 7) Colour change | : Yellowish green → Pink | | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

PH indicator is discoloured by Hydrogen chloride.

4. CALIBRATION OF THE TUBE

COLOURIMETRY METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	Coexistence
Sulphur dioxide	200	Similar pale stain is produced but may be distinguished from clear discoloration by Hydrogen chloride.	The accuracy of readings is not affected.
Nitric acid	High conc.	∕	∕
Nitrogen dioxide	100	∕	∕
Chlorine		Similar stain is produced.	Higher readings are given.

(NOTE)

When the concentration is below 2 ppm, 5 pump strokes can be used to determine the lower concentration. Following formula is available for the actual concentration.

$$\text{Actual concentration} = \text{Reading value} \times \frac{1}{\text{Number of strokes}}$$