



1. PERFORMANCE

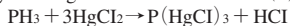
- | | | |
|--------------------------|---|--------------|
| 1) Measuring range | : 0.1-2.0 ppm | 0.05-1.0 ppm |
| Number of pump strokes | 1 (100mℓ) | 2 (200mℓ) |
| 2) Sampling time | : 1 minute/1 pump stroke | |
| 3) Detectable limit | : 0.02 ppm (200mℓ) | |
| 4) Shelf life | : 2 years | |
| 5) Operating temperature | : 0 ~ 40 °C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : Pale yellow → Pink | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with Mercuric chloride (II), Hydrogen chloride is produced and PH indicator is discoloured.



4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | Coexistence |
|-------------------|----------------------------------|---|
| Hydrogen sulphide | Similar stain is produced. | Higher readings are given. |
| Hydrogen selenide | ∕ | ∕ |
| Mercaptans | ∕ | ∕ |
| Arsine | ∕ | ∕ |
| Hydrogen cyanide | Whole reagent is changed to Red. | ∕ |
| Sulphur dioxide | ∕ | Whole reagent is changed to Pale red, but Purplish red stain indicates Phosphine concentration. |

(NOTE)

When the concentration is below 0.5 ppm, 2 pump strokes can be used to determine the lower concentration with the following formula.

Actual concentration = $1/2 \times$ Reading value