

## 1. PERFORMANCE

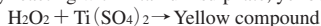
- 1) Measuring range : 0.5-10 ppm  
Number of pump strokes : 5 (500mℓ)
- 2) Sampling time : 7.5 minutes/5 pump strokes
- 3) Detectable limit : 0.2 ppm
- 4) Shelf life : 1 year (Necessary to store in refrigerated conditions ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "NOTE")
- 7) Reading : Direct reading from the scale calibrated by 5 pump strokes
- 8) Colour change : White → Yellow

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Titanium sulphate, yellow complex is generated.



## 4. CALIBRATION OF THE TUBE

ABSORPTIOMETRIC METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

| Substance        | Interference                             | ppm | Coexistence                              |
|------------------|--|-----|--|
| Chlorine         | The accuracy of reading is not affected. |     | The accuracy of reading is not affected. |
| Ozone            | ∕  |     | ∕  |
| Nitrogen dioxide | ∕  |     | ∕  |
| Acetaldehyde     | ∕  |     | ∕  |
| Formaldehyde     | ∕  | 10  | Lower readings are given.                |

(NOTE)

The scale is calibrated based on the temperature of 20 °C (68 °F). Readings obtained in other temperature circumstances should be corrected with the following temperature correction coefficient table.

TEMPERATURE CORRECTION COEFFICIENT TABLE (AT 20 °C)

| Temperature (°C)  | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
|-------------------|------|------|------|------|------|------|------|------|------|------|
| Correction Factor | 1.35 | 1.32 | 1.28 | 1.25 | 1.23 | 1.20 | 1.17 | 1.15 | 1.13 | 1.11 |
| Temperature (°C)  | 10   | 11   | 12   | 13   | 14   | 15   |      |      |      |      |
| Correction Factor | 1.09 | 1.07 | 1.06 | 1.05 | 1.03 | 1.02 |      |      |      |      |

Actual concentration = Reading value × Coefficient for temperature correction.