

## 1. PERFORMANCE

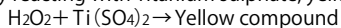
- 1) Measuring range : 0.5-10.0ppm  
Number of pump strokes : 5(500mL)
- 2) Sampling time : 7.5 minutes / 5 pump strokes
- 3) Detectable limit : 0.2 ppm
- 4) Shelf life : 3 years(Necessary to store in refrigerated conditions ; 0~10°C)
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary(See "TEMPERATURE CORRECTION COEFFICIENT TABLE")
- 7) Operating humidity : 10~90%R.H.
- 8) Reading : Direct reading from the scale calibrated by 5 pump strokes
- 9) 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 produced.



## 4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Chlorine	The accuracy of readings is not affected.	—	The accuracy of readings 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 below 15°C (59°F) should be corrected with the following temperature correction coefficient table.

TEMPERATURE CORRECTION COEFFICIENT TABLE (BASED ON 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	16~40			
Correction Factor	1.09	1.07	1.06	1.05	1.03	1.02	1.00			

Actual concentration = Reading value × Coefficient for temperature correction