

Tube No.
247S

HYDROGEN PEROXIDE



1. PERFORMANCE

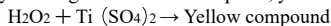
- 1) Measuring range : 0.5-10.0ppm
Number of pump strokes : 5 (500mL)
- 2) Sampling time : 7.5 minutes / 5 pump strokes
- 3) Detectable limit : 0.2 ppm
- 4) Shelf life : 3 years (Necessary to store in refrigerated conditions ; 0~10°C)
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : 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

ABSORPTIOMETRIC 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 under 15°C (59°F) should be corrected with the following temperature correction 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	15~40				
Correction Factor	1.09	1.07	1.06	1.05	1.03	1.00				

Actual concentration = Reading value × Coefficient for temperature correction