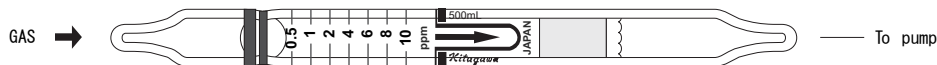


Tube No.  
247S

# HYDROGEN PEROXIDE



## 1. PERFORMANCE

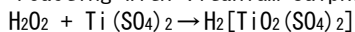
- 1) Measuring range : 0.5–10.0ppm  
Number of pump strokes : 5(500mL)
- 2) Sampling time : 7.5 minutes/5 pump strokes
- 3) Detectable limit : 0.2 ppm
- 4) Shelf life : 1 year (Necessary to store in a refrigerated place;0~10°C)
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation: Necessary(See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

DIFFUSION TUBE 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 under 15°C (59°) should be corrected with the following temperature correction 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