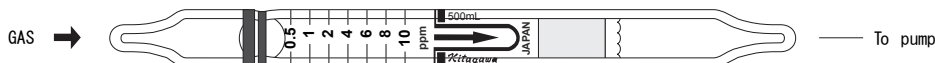


Tube No.
247S

HYDROGEN PEROXIDE



1. PERFORMANCE

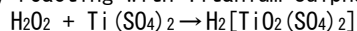
- 1) Measuring range : 0.5-10ppm
Number of pump strokes : 5 (500mL)
- 2) Sampling time : 7.5 minutes/5 pump strokes
- 3) Detectable limit : 0.2 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 0~10°C
- 6) Temperature compensation : Necessary(See "NOTE")
- 7) Reading : Direct reading from the 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°). Readings obtained in other temperature circumstances should be corrected with the following temperature correction coefficient table.

TEMPERATURE CORRECTION COEFFICIENT TABLE (AT 20°C)

Temp. (°C)	0	1	2	3	4	5	6	7	8	9
0	1.35	1.32	1.28	1.25	1.23	1.20	1.17	1.15	1.13	1.11
10	1.09	1.07	1.06	1.05	1.03	1.02	1.00	1.00	1.00	1.00

Actual concentration = Reading value × Coefficient for temperature correction