

1. PERFORMANCE

- 1) Measuring range : 0.5-30.0 ppm
- Number of pump strokes : 2 (200mL)
- 2) Sampling time : 1.5 minutes/2 pump strokes
- 3) Detectable limit : 0.1 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary at 0~10°C (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : White→Yellowish orange

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

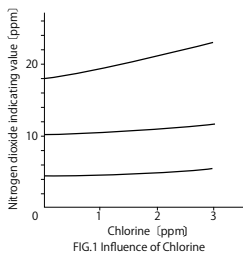
By reacting with o-Tolidine, Nitroso-o-Tolidine (dyestuff) is produced.

4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Chlorine FIG.1	Similar stain is produced.	2	Higher readings are given.
Bromine	//	2	//
Iodine	//	2	//
Nitrogen monoxide FIG.2	The accuracy of readings is not affected.	15	//



TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)				
	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
30.0	16.0	22.0	30.0	30.0	30.0
25.0	14.0	19.0	25.0	25.0	25.0
20.0	12.5	16.0	20.0	20.0	20.0
15.0	11.0	13.0	15.0	15.0	15.0
10.0	9.0	10.0	10.0	10.0	10.0
7.0	7.0	7.0	7.0	7.0	7.0
5.0	5.0	5.0	5.0	5.0	5.0
3.0	3.0	3.0	3.0	3.0	3.0
2.0	2.0	2.0	2.0	2.0	2.0
1.0	1.0	1.0	1.0	1.0	1.0
0.5	0.5	0.5	0.5	0.5	0.5

