



1. PERFORMANCE

- 1) Sampling method : Immersion method
- 2) Measuring range : 0.4-5.0 ppm
- 3) Sampling time : 3 minutes
- 4) Sample volume : over 5mL
- 5) Detectable limit : 0.1 ppm
- 6) Shelf life : 2 years
- 7) Operating temperature : 5~40°C
- 8) Operating pH : 2-10
- 9) Reading : Direct reading from the scale
- 10) Colour change : Pale pink → Purple

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with 3,3'-Dimethylnaphthidine, Nitroso-compound is produced.

4. CALIBRATION OF THE TUBE

IODOMETRY METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Chloride ion	—	The accuracy of readings is not affected.	200	Lower readings are given.
Calcium ion	—	//	—	The accuracy of readings is not affected.
Copper ion	—	//	—	//
Iron ion	20	Similar stain is produced.	20	Higher readings are given.

(NOTE)

- 1. This tube is to measure FREE-RESIDUAL CHLORINE, not to measure COMBINED-RESIDUAL CHLORINE.
- 2. This tube is not suitable to measure sea water or sample solution which includes sea water because it is affected by Chloride ion.

6. SAMPLING METHOD

(Immersion method)

- 1) Cut both ends of a fresh detector tube with a tip cutter.
- 2) Immerse the end of the tube with side A into the sample solution by capillary action so that the sample solution is rose through the reagent. If Chloride ion exists in the solution, a discolouration will be occurred in the detecting reagent layer from its inlet and the discoloured layer will begiven according to the concentration of Chloride ion.
- 3) When the concentration is over 5ppm, the HIGH CONC. INDICATOR is changed to White. In this case, dilute the sample solution and multiply the readings obtained by the dilution ratio.

