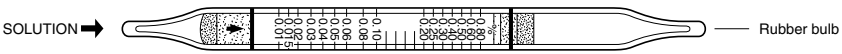
Tube No.
205SL SALINITY



1. PERFORMANCE

1) Sampling method	: Direct sampling method (Refer to Page 17)
2) Measuring range	: 0.01-0.8 %
3) Sampling time	: 30 sec.
4) Sample volume	: Over 5 mℓ
5) Detectable limit	: 0.002 %
6) Shelf life	: 2 years
7) Operating temperature	: 5 ~ 80 ℃
8) Reading	: Direct reading from the scale
9) Colour change	: Brown → White

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with Silver chromate, Silver chloride is produced.

$CI^- + Ag_2CrO_4 \rightarrow AgCI$

4. CALIBRATION OF THE TUBE

SODIUM CHLORIDE STANDARD SOLUTION METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Bromide ion		Higher readings are given.
Iodide ion		〃
Cyanide ion		〃
Sulphide ion	Brown stain is produced.	The bottom of the discoloured layer is changed to Brown and higher readings are given.

6. SAMPLING METHOD

(Direct sampling method)

1) Cut both ends of a fresh detector tube with a file.
2) Squeeze the rubber bulb(an extra option), insert the tube end(B)into it as it is and immerse filled end (A)of the tube.
3) Put the thumb off the rubber bulb, and the sample solution shall rise up.
4) When the sample solution rises up to(C)of the tube,remove the tube from the rubber bulb and from the sample solution.
5) The concentration can be obtained directly from the reading value of scale printed on the tube.
6) At concentration over 0.8 %, dilute the sample solution and multiply the readings obtained by the dilution ratio.