



1. PERFORMANCE

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| 1) Sampling method | : Immersion method
(Refer to Page 17) |
| 2) Measuring range | : 3-200 ppm |
| 3) Sampling time | : 1.5 minutes |
| 4) Sample volume | : over 5 ml |
| 5) Detectable limit | : 1 ppm |
| 6) Shelf life | : 2 years |
| 7) Operating temperature | : 5 ~ 80 °C |
| 8) Operating PH | : 3.5-13 |
| 9) Reading | : Direct reading from the scale |
| 10) Colour change | : Brown → White |

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

3. CHEMICAL REACTION

By reacting with Silver chromate, Silver chloride is produced.
 $Cl^- + Ag_2CrO_4 \rightarrow AgCl$

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 discoloured layer is changed to Brown and higher reading are given.

6. SAMPLING METHOD

(Immersion method)

- 1) Cut both ends of a fresh detector tube with a file.
- 2) Immerse the filled end of the tube with white end plug into the prepared sample solution.
 Capillary action will occur immediately and the sample solution rise through the reagent. If Chloride ion is existed in the sample solution, a discolouration will be occurred in the detecting reagent layer from its inlet and the discoloured layer shall be given according to the concentration of Chloride ion.

