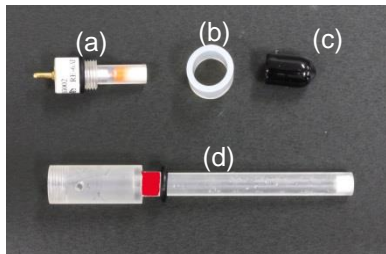


1. The structure of electrode



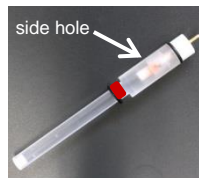
- a. RE-6AP main body
b. Holder cover
c. Protective cap
d. Holder
(ceramics liquid-junction)
The inner solution is the ion exchange water at time of receipt. **Please prepare inner solution (1 M NaOH) before use.**

2. How to use

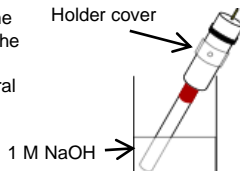
2.1 When you receive the RE-6AP, please unscrew the Main body (a), remove it from the Holder (d), throw out the water inside. Then wash the Holder (d) with a few portions of inner solution (1 M NaOH) three times, then inject the inner solution (1 M NaOH) to the middle of upper position of holder gently. If you see air bubbles in the holder, remove the bubbles by flicking or shaking.



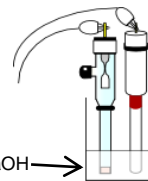
2.2 Fix the main body (a) to the holder (d) tightly. Remove the little internal solution if the internal solution is about to overflow from side hole of the holder. (Note: the side hole is for electrode inner pressure adjustment.)



2.3 Cover the side hole of holder (d) with the holder cover (b), soak the electrode in the solution identical with inner solution to stabilize the potential. It may take several days until potential is stabilized.



2.4 The stability of the electrode potential can be checked using potentiometry against the standard reference electrode (SCE etc.) in 1 M NaOH. The indication of the potentiometry against the SCE is $-115 \text{ mV} \pm 20 \text{ mV}$ (25 °C).



2.5 Please use the electrode after checking the stability of potential. Expose the side hole of holder (d) in measuring.



3. How to keep

After use, wash the tip of electrode by ion exchange water. Cover the side hole of holder with holder cover and soak in 1 M NaOH solution. If don't use for the long time, disassemble the electrode and sink the main body in 1 M NaOH and sink the holder filled with ion exchange water in ion exchange water immerse the tip of holder in ion exchange water.

!!CAUTION!!

1. The electrode consists of harmful agents. Be careful handling. Processing of inner solution after use please comply with the local government's law.
2. Do not remove the label of electrode. The production serial code is required for any case of inquiry.
3. The electrode is for alkaline solution measurement. Can't use in organic solvent.
4. Use the electrode at ordinary temperatures and pressures.
5. Avoid a strong shock to the electrode.
6. The electrode has individual difference and sensitive to the temperature, in some case the electrode potential may not coincide with theoretical value.
7. For normal and safety application, 1M NaOH solution should be used as inner solution. If a strong alkaline solution (ex. 5 M NaOH) or other kind of alkaline solution was used as inner solution, the liquid junction of main body may possibly be damaged and this is out of our quality assurance range.