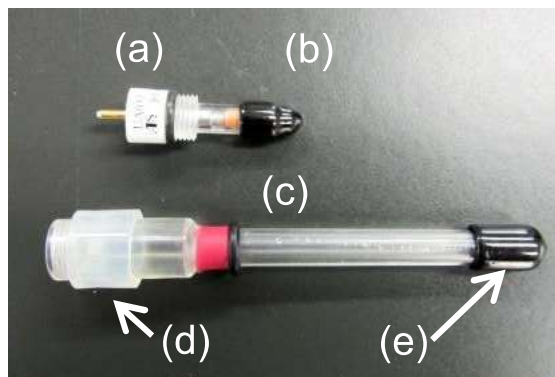


1. Contents



- a. RE-61AP main body
- b. Protective cap (main)
- c. Holder
(with a ceramics liquid-junction)
- d. Holder cover
- e. Protective cap (holder)

Please prepare inner solution (1 M NaOH) before use.

2. Assemble

- 2.1 Unscrew the RE-61AP main body (a) from holder (c).

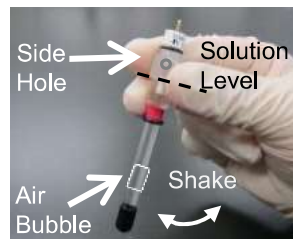
*For the assemble, please use rubber globe, as shown in the photo.



- 2.2 Remove the protective cap (b) from main body (a) gently and wash the tip of main body with deionized water.



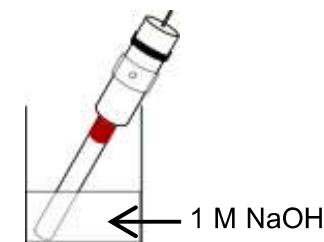
- 2.3 Fill the inner solution (1 M NaOH) up to 5 mm below the side hole. If you see air bubbles in the holder (c), remove the bubbles by shaking the holder (c) by covering the upper hole. The air bubbles may cause the wrong electrode potential.



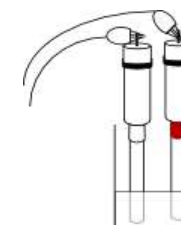
- 2.4 Insert main body (a) to the holder (c) securely. Remove internal solution a little if it overflows from the holder (c).



- 2.5 Before using, remove the protective cap(e) from holder(c) and soak the electrode in the identical solution with inner solution (1 M NaOH) for a day to stabilize the electrode potential.



- 2.6 The electrode potential can be checked with a electrometer and a typical reference electrode (Ag/AgCl) in the same solution as the inner alkaline solution. The electrode potential against the Ag/AgCl is $-80 \text{ mV} \pm 20 \text{ mV}$ (25 °C) with 1 M NaOH.



3. Storage the electrode

After use, wash the tip of main body(a) with deionized water, and then soak in 1 M NaOH solution. When you don't use it for a long period, please disassemble the electrode, set the protective cap(b) on main body(a) and replace the solution in the holder(c) to deionized water then immerse the tip of holder(c) in deionized water.

!!CAUTION!!

1. The main body(a) contains harmful agents. Be careful handling. At the time to discard the inner solution after final usage, please comply with the local government's law.
2. Do not remove the label of main body(a). The production serial number is required for any case of inquiry.
3. Please be careful about removing the protective cap(b) from the main body(a). If white ceramics is removed, the harmful agents may leak out.
4. The electrode is for alkaline solution measurement. Can't use in organic solvent.
5. Use the electrode at ordinary temperature and pressure.
6. Avoid a strong shock to the electrode.
7. The electrode has individual difference and it is sensitive to the temperature, in some case the electrode potential may not coincide with theoretical value.
8. KOH inner solution (up to 6M) is also applicable to this electrode.