

AMZ 60

Electrochemical cell for flat samples
typically coated specimens



Specifications:

Measuring area : 9 cm²
Minimum width of sample : 5 cm:
Maximum width of sample : 10 cm:

Electrodes : stainless steel rod as counter electrode
: Ag/AgCl reference electrode
: (specimen as working electrode)

Handling of the cell

- 1.) Unplug the white electrode holder for the counter and reference electrode
- 2.) Loosen the 4 screws on the top of the cell
- 3.) Push the specimen between the red silicon seal and the PVC-plate at the bottom of the cell
- 4.) Center the transparent cylinder and close the 4 screws carefully and not too strong
- 5.) Insert the white electrode holder on top of the cell
- 6.) Insert the reference (electrode if required). **DON'T FORGET TO REMOVE THE YELLOW PLASTIC COATING AT THE BOTTOM OF THE REFERENCE ELECTRODE** (see below : Handling of the reference electrode)

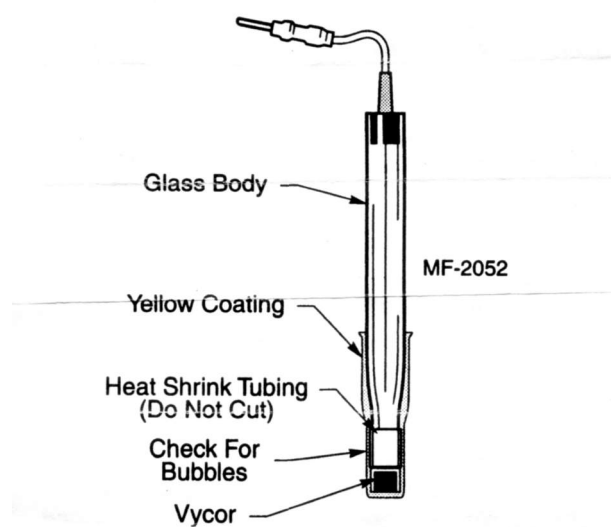
A properly assembled cell may look like the photograph depicted below.

Handling of the reference electrode

Upon receipt, carefully remove yellow plastic coating and store in 3M NaCl. To remove the yellow plastic coating, roll down top edge of plastic coating, then cut with small scissors. Keep rolling and cutting until yellow coating is removed.

CAUTIONS

1. Do not cut too deeply with the scissors or else the Teflon heat shrink tubing may be damaged.
2. Do not tug the yellow coating off the glass body or the Vycor frit may be pulled off the end of the electrode.
3. **Use of a reference electrode with bubbles lodged in the tip may prevent electrical contact with the sample solution and cause damage to the working electrode.** Bubbles can be dislodged by holding the top of the electrode by one hand and tapping the electrode near the Vycor tip with the other hand until the bubbles rise to the top.



The MF-2052 RE-5B replaces the MF-2063 RE-5

