

Homebrew Meter Face for the GLA-1000 Conversion

I have received many requests on how to convert the meter face of the GLA-1000 to read actual voltage and current readings used with the 6J7B tube. The original meter face will work except voltage readings have to be doubled for actual voltage reading. Below you will see what the meter face looks like after it is redone.



The process for this is amazingly simple and with the aid of the computer and a few tricks the meter can easily be converted. **Caution:** This process is not reversible and once done it is “what you see is what you get”.

What you will need to convert your meter face

1. A good paint remover such as Goop to remove the old meter silk screen face.
2. A inkjet printer and a few inkjet overhead transparencies.
3. A plastic laminating machine and a few small laminating pouches
4. A can a contact spray adhesive (I use Scotch brand spray adhesive).

Changing the Meter Face

1. Disassemble the meter by removing plastic bezel and removing meter face. Meter face slides off the meter itself by pulling it straight up.
2. Remove the black silk screening with Goop. Goop will not harm the meter face as it is made of nylon. To make sure test the back of the original meter face with the Goop to make sure it does not dissolve the plastic. **If it dissolves the plastic then your cannot use this process to convert the meter face.**

3. Printout on a transparency the custom design meter face shown on page three of this document. You may want to print it on paper first and then cut it out to make sure it is the correct size for you meter. You can also custom design your own meter face with any PC publishing program.
4. Cut out one of the meter face overlays after it had dried and place it in a clear laminating pouch. Laminate the meter face. You laminate the meter face as the spray adhesive will dissolve the ink on the transparency.
5. Cutout the finish laminated face and spray the back of it with the spray contact adhesive. Attach it to the meter face and press in place
6. Reassemble the meter—You are finished

NOTE: The scale for the plate current is different than the original meter and therefore the meter shunt must be change. A two watt precision resistor approximately double the original shunt value should give you an accurate meter reading.

