

# FPP 5000 OPERATING INSTRUCTIONS

## Comments:

The FPP 5000 is extremely easy to use. The simplified instructions are: select the program you want, put the wafer on the platen, put a support fixture on the wafer, and close the lid. The measurement runs automatically when you close the lid.

## Procedure

1. Select the program that you want to run by pressing the appropriate button on the lower right of the machine. If you want to measure the resistivity press "SLICE," and also press the "TYPE" button. This will determine the wafer type when the measurement is done. If you want to measure the sheet resistance, press "SHEET".
2. For Slice and Sheet, you must enter the thickness of the wafer (slice) or doped layer (Sheet). Enter the thickness used by the FPP program. Press the "PRGM" button. Let's use Slice as the example. The display will now show the wafer thickness. If the display does not show "0.620E3", then you must enter your wafer thickness of 620  $\mu\text{m}$ . Enter "620" to get "0.620" on the display, then press "3" to enter the exponent. Press "Store" to store your wafer thickness in the program. Press "PRGM" again to return to the measurement mode.
3. Lift the lid and place your wafer face down on the platen.
4. Select the appropriate wafer fixture (used the biggest one even though it's too big) from the black box near the FPP and place it on the wafer.
5. Move the wafer so that the probes will measure the desired area.
6. Close, press, and hold the lid. The measurement takes place automatically and the results displayed.
7. When finished, remove the wafer fixture and place it in the black box. Remove your wafer and close the lid.