

4155B for Resistor, MOSFET Measurements

1. Power on HP 4155B Semiconductor Parameter Analyzer
2. Double click EasyEXPERT on the desktop
3. Option→Execution Mode→Online→VISA: GPIBO/GPIB address: 17→OK
4. Click Start EasyEXPERT
5. Click on Classic Test tab on the left edge of the EasyEXPERT window and then click on I/V sweep, then select>>
6. Set up the V name, I name, Mode, and Function for each channel accordingly under Channel Setup
7. Set up the sweeping values and constant values for each channel under Measurement Setup
8. Under the Display Setup, set up the data to be measured (as well as will appear in the plot during measurement) by checking X axis and adding a Y axis (or, can be multiple), selecting the data names that you wish to measure from the drop-down list
9. Click on the green "play" icon on the top right of the window to perform single measurement
10. A plot should pop up showing measured curves of the data entered in the Display Setup
11. Two options to save the data:
 - 1) Right click on the measurement that you wish to save in the Results section on the bottom of the EasyEXPERT window→Transport Data→Export As ...You can then use plot making software e.g., MS Excel to plot the data.
 - 2) In the measurement plot window, use Ctrl-S to save the plot to an image file.

4284A for Capacitor Measurement (Only available at Probe Station6)

1. Power on HP 4284A Precision LCR Meter
2. Double click EasyEXPERT
3. Option→Execution Mode→Offline→Model: B1500A→OK
4. Click Start EasyEXPERT
5. Click on Application Test tab on the left edge of the EasyEXPERT window and select Utility in Category and then choose CVSweep4284_a, click on select>>
6. The default GPIB address for 4284a is 17. Set up the testing parameters. Click on the green play icon to start a single measurement.