

HP4195A & PrintCapture

This document was provided by one of our customers. It outlines the things he learned as he configured his HP4195A to work with PrintCapture. Thank you Gary F.!

HP4195A - Check or Set Proper GPIB Communication Setup

The 24-pin GPIB interface connects the HP4195A to the National Instruments (NI) GPIB card in the PC. The HP4195A must be set to Talk-only mode.

1. On the HP4195A front panel, select **Special Function** button **MORE**
2. On the screen menu select **HP-IB**
3. On the screen menu select **Talk-Only** (Front panel "TLK" light should now be on)
4. If PrintCapture software is not already setup on the PC go to PrintCapture Setup below.
5. On the HP4195A front panel select **Special Function** button **COPY**.
6. Select the available **PLOT** or **PRINT modes**.
 - a. **PLOT mode**: Creates a colored image in PrintCapture similar to what is seen on the HP4195A screen.
 - b. **PRINT mode**: Creates a text data document with the HP4195A measurements in a data format (more useful if exporting the Excel to generate various graphs).
 - c. **DUMP mode**: Black and White image equivalent to PLOT mode.
 - d. **Color DUMP mode**: Same as the PLOT mode.
7. On screen menu select **COPY start** to send to PrintCapture!

PrintCapture Setup

PrintCapture (www.printcapture.com) is a simple PC software tool to capture the print or plot output from the HP4195A and convert the data to an image or document file.

1. Start PrintCapture software.
2. Check or select the **Setup** menu.
3. Select **Restore Configuration** in the event that the configuration has already been stored.
4. If no previous configuration is available choose **Configuration**.
5. Select the **Image Processing** tab to set the default folder to save files too (save to a folder all users can assess such as C:\temp).
6. Select the **Serial Port** tab.
7. Select **Port to None**.
8. Select the **GPIB Interface** tab.
9. Select the **Board ID** (If you already have a NI board installed properly it will display the available Board ID).
10. Select **Address to Listen Only**.
11. Done.