

Capturing Oscilloscope Screen Images

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For DSO7034A and DSO7034B Users (Dana 111, 303, 305, and 307):

The oscilloscopes are connected to the lab computers through their USB ports. To save a screen image to a file, follow these steps *after turning on the oscilloscope*:

1. Windows XP: In the START menu, select Programs > Programs A-H > Agilent IntuiLink > Data Capture > Run IntuiLink Data Capture.
Windows 7: On the desktop, double-click the Run Agilent IntuiLink Data Capture link.
2. Close the connection set-up window, if one appears.
3. Under the Instrument menu, select Agilent 7000 Series, DSO7034A, or DSO7034B (whichever is displayed), even if a check mark already appears next to that selection.
4. You might need to direct the software to “find” the oscilloscope. Select the Set I/O tab. If the given I/O address begins with “USB,” you may proceed to the next step. If not, then press the “Find Instrument” button. In the “Selected Address(es)” list on the left, select the one beginning with “USB...” and press the “Identify Instrument(s)” button. The oscilloscope should appear in the “Identified Instruments...” list on the right. Highlight the oscilloscope with the mouse, and press “OK.”
5. Select the Get Waveform tab.
6. Make sure the Get Screen Image box is checked. Also, check the Invert box if you want a black-on-white image rather than white-on-black. (The former saves printer toner).
7. Change the Number of Points to control the resolution of the screen capture. For images to be pasted into reports, it’s probably not necessary to use more than 500 or 1000; experiment to find the value that works best for you.
8. Check the Get Waveform Data box if you want to save the data displayed on the screen in tabular form in a *.txt file (e.g., voltage vs. time).
9. Click “OK.” The oscilloscope screen will display a message notifying you that the screen image (and perhaps the data as well) is being saved.
10. Two windows should appear. One shows a red trace on a white background and dialog boxes at the top. This window allows you to configure the tabular data file, if you need it. The other window is the screen image.
11. If the screen image is too small and/or pixelated, use the mouse to enlarge the image window, and then right-click on the image and select Refresh. The resolution of the image file you save is fixed and is not affected by the appearance of the image on the computer screen.
12. Select the screen image window, and then select File > Save As... You may now save the screen image in *.png format to any directory you choose.
13. To save additional screen images, repeat Steps 3 through 10. (You should not have to repeat Step 4 at this point.)