

How to Capture the Agilent Oscilloscope Screen Image and Channel Data

Here is how to capture the Agilent oscilloscope screen image and numerical channel data with the PC. The scopes are connected to the PC's by a USB cable.

1. Turn on the oscilloscope and wait until it is ready.
2. Find the icon on the PC desktop with the title "Run IntuiLink Data Capture" and double click on it. This icon has an oscilloscope picture on it.
3. Close the welcome screen if it appears.
4. The first time you log on to a PC or after it has been re-imaged:
 - (a) Click on "Instrument" on the "Run IntuiLink Data Capture" menu bar.
 - (b) Select "Agilent 2000/3000 Series"
 - (c) Click on "Find Instrument" and wait until the oscilloscope is found.
 - (d) Double click on "USB0::: . . ."
 - (e) Click on "OK" and then on the next "OK."

The oscilloscope screen and channel data graph will be displayed on your PC.

The parameters for your user name will be remembered so the next time you log on to the same PC you will not have to do these sub-items assuming the PC was not re-imaged.

5. To get new data, click on the oscilloscope icon on the "Run IntuiLink Data Capture" tool bar. There is also a USB port on the front of the oscilloscope. You can save the scope data directly to a USB memory drive. To do this, push the

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 button and select the desired options.

Clicking on the oscilloscope icon always captures the screen, but it may not capture the data for the channel you want. To capture data from specific channels, first make sure their buttons are lit on the oscilloscope showing they are on. It is not obvious how to select specific channels, but here is how to do it.

1. Click on "Instrument" in the "Run IntuiLink Data Capture" menu bar.
2. Click on "DSO-X 2014A."
3. In the "Waveform Selection" box, check the channels who's data you want to capture. Set the desired properties. Then click on "OK."

4. Click on the tool bar oscilloscope icon to capture the screen image and channel data and then you can save them to PC files.

Showing Multiple Traces

You can save multiple traces on the same display. To do this:

1. Push the scope **Display** button.
2. Turn on **Persistence** to ∞ or **variable**.
3. Press the **Stop** button to stop the acquisitions.
4. Clear the display and persistence.
5. Press the **Single** button the number of times you want to capture traces.
6. Capture the scope image and data to the PC in the normal way.

An Occasional Problem

Occasionally, the PC will not connect to the oscilloscope. It seems that something gets corrupted in the PC's memory. To solve this problem:

1. Turn off the oscilloscope.
2. Shut down the PC, not just restart it.
3. Restart the PC with the power switch and wait for it to complete booting up.
4. Turn the oscilloscope on and the PC should now connect to it.