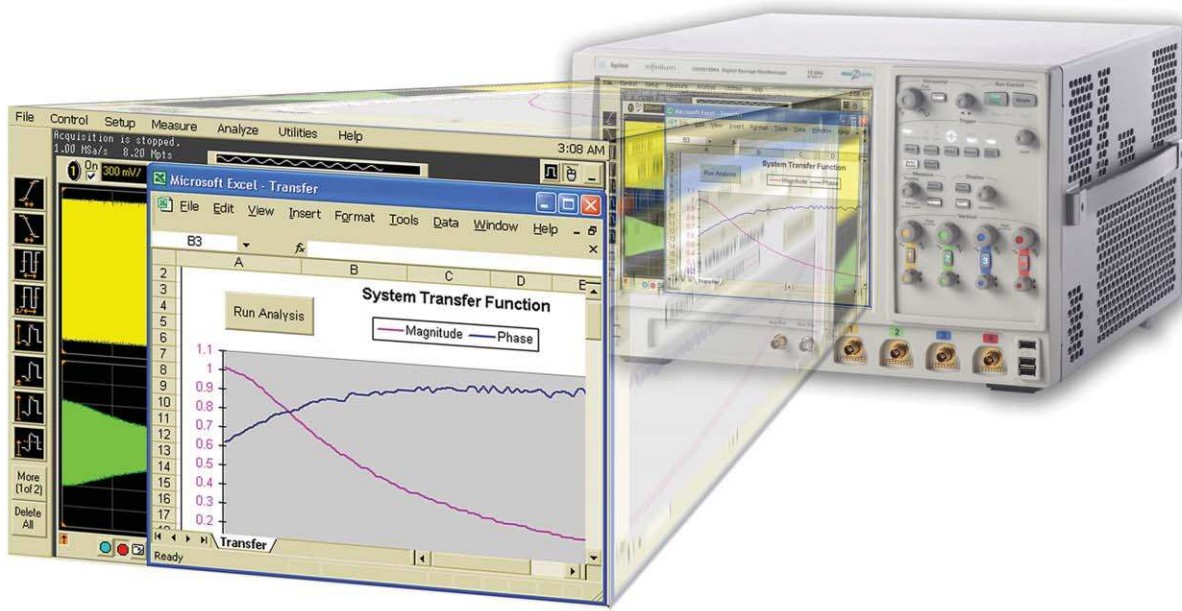


E2699A My Infiniium Integration Package for Infiniium Oscilloscopes

Standard on the 90000 and 9000 Series and orderable on the 80000 and 8000 Series Oscilloscopes

Data Sheet



- **Tap into the power of your Windows® XP-based Infiniium oscilloscope.**
- **Instantly invoke customized analysis, measurements, and setups.**
- **Launch your applications directly from the oscilloscope's front panel or graphical user interface.**

Infiniium oscilloscopes continue to improve the ease of debugging high-speed digital and mixed-signal designs with the E2699A My Infiniium Integration Package. My Infiniium allows you to extend the power of your Windows® XP-based Infiniium oscilloscope by letting you launch your customized application directly from the oscilloscope's front panel or graphical user interface.



Agilent Technologies

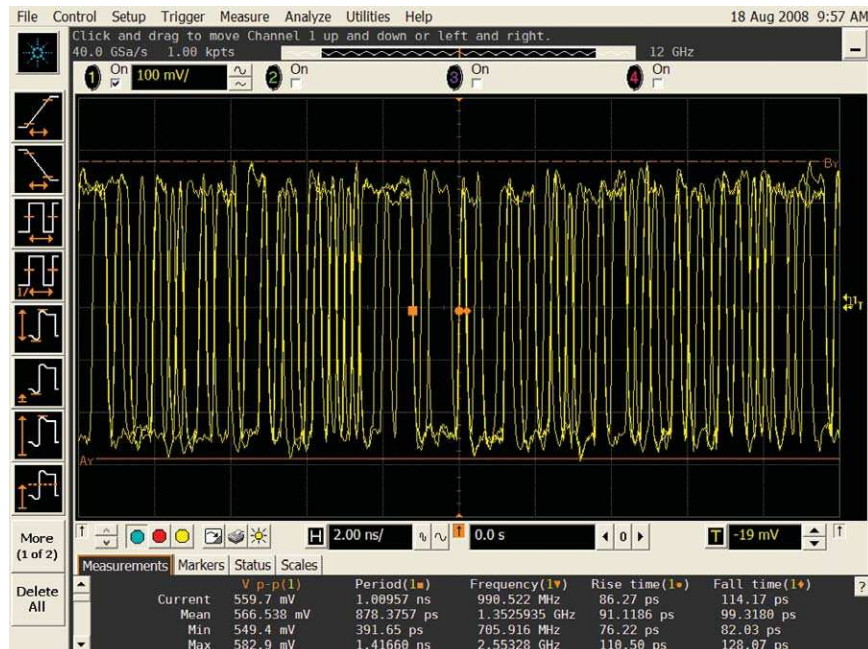
Features

QuickExecute

QuickExecute is an additional user choice to the QuickMeas+ feature. Each time the QuickMeas+ button on the front panel is pressed, Infiniium will run an executable program that you have selected and/or created. Customized analysis is only a button press away. The 90000 Series now provides the QuickMeas + under the "Measure" menu and "Quick Meas"

Extensible Graphical User Interface (eGUI)

The Extensible Graphical User Interface (eGUI) provides a method to add menu items to the Infiniium menu system. The menu entries that you add can run executable programs that you select and/or create. See Figure-1 for an example. Application-specific solutions are a mouse click away. The 90000 Series now provides the QuickMeas + under the "Measure" menu and "Quick Meas"



Benefits

My Infiniium provides great flexibility in the types of programs that can be run from QuickExecute or eGUI. Any program that can be run under Windows® XP can be launched by either of these methods, including applications such as Agilent VEE Pro, NI LabVIEW, Microsoft Excel, or MATLAB®. You can also develop and debug your own executable programs on Infiniium's open Windows® XP operating system or on an external PC, using the language and tools of your choice. For higher-level instrument control, utilize the Infiniium IVI-COM instrument driver in your application. This IVI-COM driver takes full advantage of industry accepted standards and is compatible in application development environments such as Visual Studio as well as in test and measurement development environments such as Agilent VEE Pro and National Instruments LabVIEW. The Infiniium IVI-COM instrument driver allows for easier use, higher performance, and instrument interchangeability in your oscilloscope control program. Download the Infiniium IVI-COM driver for free from Agilent Developer's Network at www.agilent.com/find/adn.

Once your custom program has been developed, utilizing the Infiniium IVI-COM driver or not, load it inside the oscilloscope and use the built-in Agilent I/O Libraries for the underlying link to the oscilloscope application. Now you have the ability, for example, to develop your program to instruct the oscilloscope to acquire data, pull the data into the program, perform custom processing, and finally show the results in a dialog box on Infiniium's display. Figure 2 shows an example using Microsoft Excel and its embedded Visual Basic for Applications (VBA) programming environment to compute the transfer function of a low-pass filter design and render a graph of magnitude and phase to Infiniium's display.

With My Infiniium, your programs become an integral part of the oscilloscope. In fact, if you are currently running a custom analysis program on an external PC, you can now move it into your oscilloscope using this capability. If you are not experienced with creating programs that could be used with your Infiniium oscilloscope, Agilent provides sample programs to help you become familiar with the capabilities and benefits of My Infiniium.

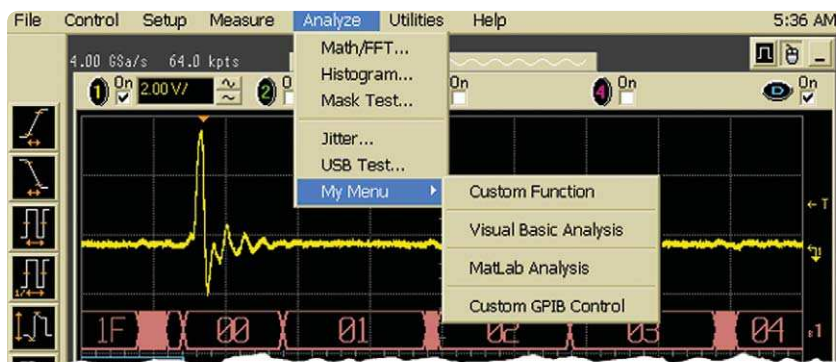


Figure 1. eGUI allows you to add items to any Infiniium menu.

Suppose you want the oscilloscope to measure all parameters of a signal and display all the measurement results in an easy-to-read dialog box. One of the sample programs provided with My Infiniium, called Snapshot.exe, accomplishes this by simply assigning this program to QuickExecute and the "QuickMeas+" front-panel button or assigning it to an eGUI menu selection you created. The resulting dialog box from Snapshot.exe is displayed in Figure 3. Other sample programs are not only provided with the executable file that you can use, but also the commented C++ source code that you can adapt to perform your own custom analysis. On the 90000A Series oscilloscope you can find snapshot under the "Measure" menu.

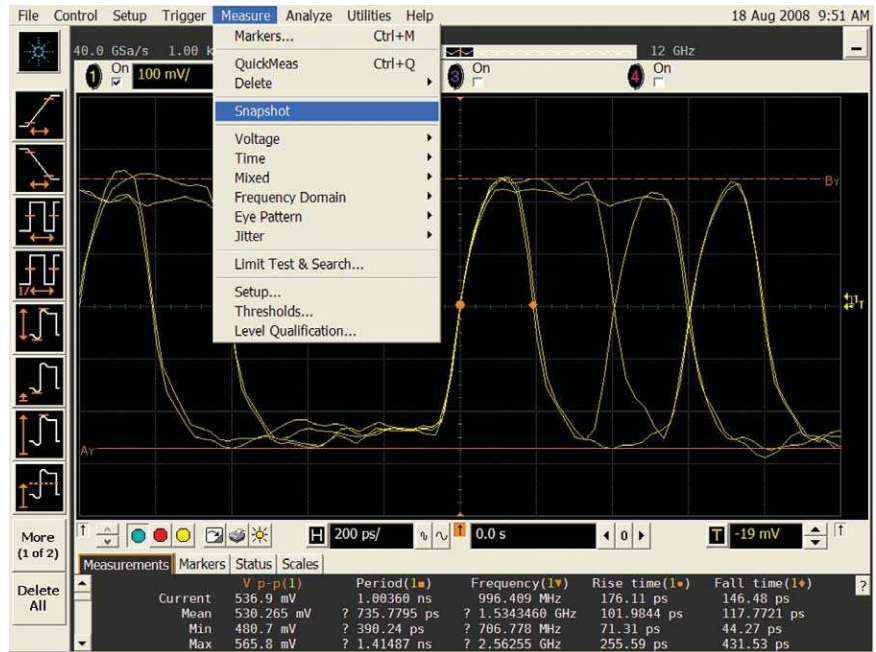


Figure 2. Example of how Microsoft Excel with embedded VBA can be used to perform customized analysis. In this case, the transfer function of a low-pass filter design is generated.

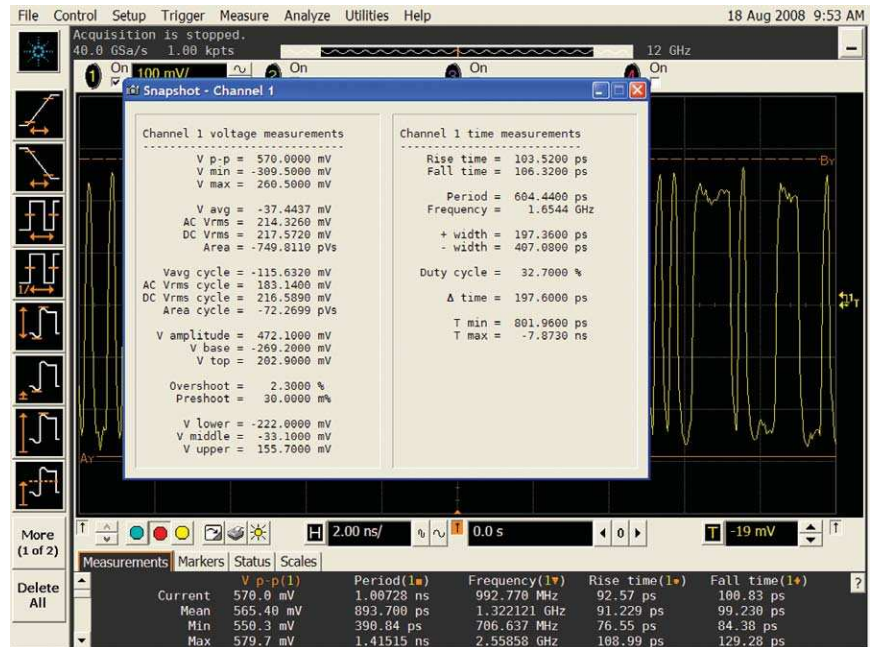


Figure 3. A resulting dialog box from the sample Snapshot.exe program provided with My Infiniium that contains the results of all measurements on a signal.

Compatibility

Oscilloscope	Operating Systems	Software Revision
8000 Series	Windows XP Pro	A.04.90 or higher
80000B Series	Windows XP Pro	A.04.91 or higher
9000 Series	Windows XP Pro	All
90000 Series	Windows XP	All

My Infiniium is a standard feature on the 90000 and 9000 Series oscilloscope in software revision 1.30 and later.

Ordering Information

My Infiniium comes standard on both the 90000 and 9000 Series oscilloscopes.

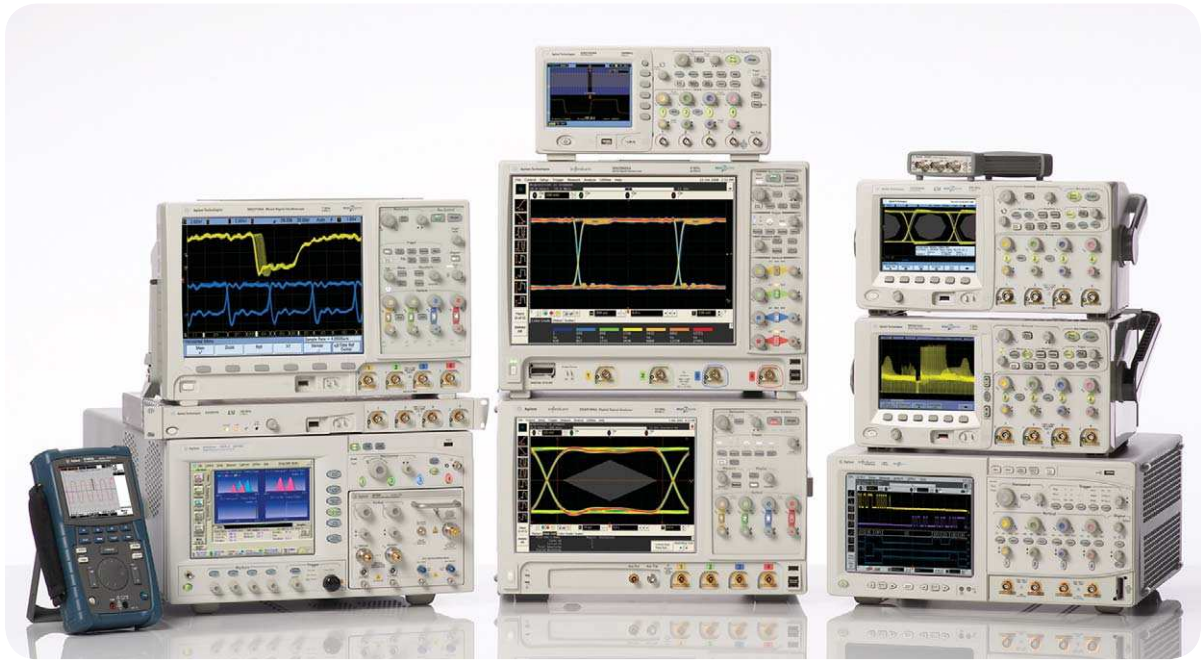
To order My Infiniium at time of Infiniium 8000 Series purchase, order option 006 with software revision 1.30 and later

Option	Description	Scope
006	My Infiniium Integration Package	8000A Series
006	My Infiniium Integration Package	80000B Series
Standard	My Infiniium Integration Package	90000A Series
Standard	My Infiniium Integration Package	9000 Series

To order My Infiniium for an existing Infiniium oscilloscope, order E2699A.

Model	Description
E2699A	My Infiniium Integration Package

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