

Agilent VEE Pro

Better Tests, Faster



Agilent's software products make you more productive, so you can focus on solving engineering problems, not on programming.

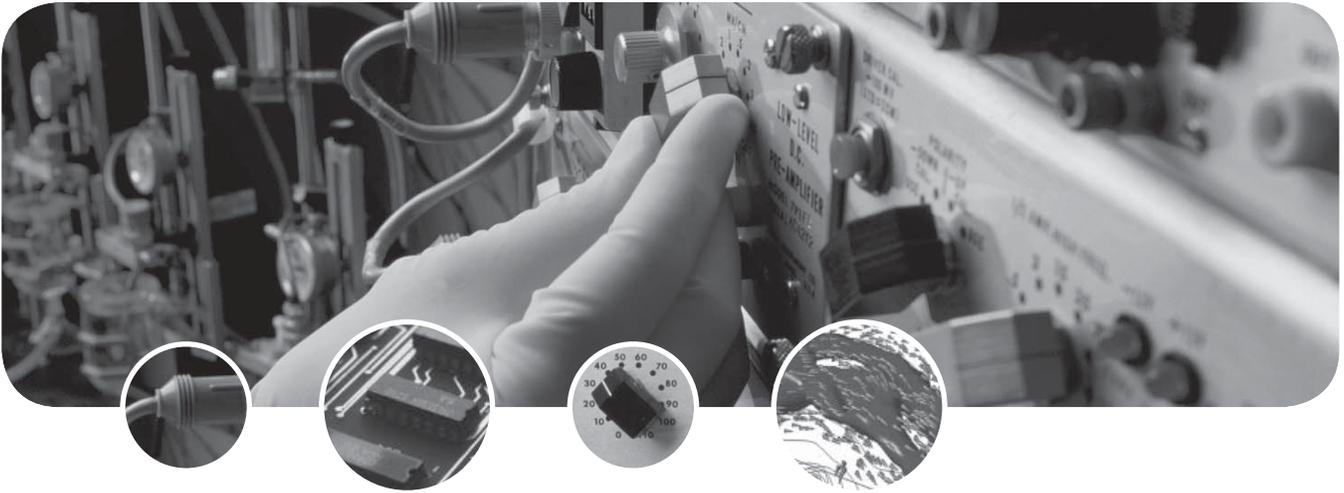
Agilent VEE Pro is a powerful, intuitive graphical programming environment, that provides you the fastest path to measurement analysis.

It's productive

Agilent VEE Pro is a Visual Engineering Environment that allows you to program by creating an intuitive "block diagram." You select and edit objects from pull-down menus and connect them to each other by wires to specify the program's flow, mimicking the order of tasks you want to perform. Users can quickly create, test, and update code because programs can be run and debugged on-the-fly by using VEE Pro's Start, Stop and Pause buttons. Programs also are self-documenting; Agilent VEE Pro illustrates the connections between individual objects, so programs are easily understood by others. Plus, with its built-in tutorials and numerous sample programs, demos and context-sensitive help, beginning and veteran programmers alike can get started quickly and stay productive. If you ever get stuck, you have the confidence that comes with included technical support. There is also an active user's forum that shares best practices and helps other users with common questions.



Agilent Technologies



It's designed for test and measurement

Agilent VEE Pro is designed for engineers and scientists who need to quickly create and automate measurements and tests. It can talk to any device from any vendor using GPIB, LAN, USB, RS-232, VXI and other interfaces or buses, including PXI and SCXI data acquisition and modular instrumentation devices from National Instruments. Agilent VEE Pro can control any standard instrument and many vendor's PC plug-in cards with an instrument driver, a vendor-supplied DLL, or via Agilent VEE Pro's easy and powerful Direct IO capability. Instrument addresses and other parameters can be verified at runtime and changed on the fly, without reconfiguring programs. Agilent VEE Pro automatically handles different data types, providing automatic conversion and giving you powerful data handling capabilities with a minimum of complex programming.

Agilent VEE Pro's compiler generates optimized code that can be further enhanced with its built-in Profiler. The Profiler allows you to quickly analyze critical sections of code to save development time when fine-tuning your programs.

Agilent VEE Pro comes standard with a RunTime execution engine that provides the ability to distribute run-only Agilent VEE Pro applications at no extra charge.

It's open to the software and hardware you choose

Agilent VEE Pro interfaces with popular software and hardware tools. It provides easy, menu-driven control of Microsoft® Excel for exchanging data with spreadsheets and automating spreadsheet operations. Use Word for reports, Outlook for paging and e-mail, and Access for database operations. Agilent VEE Pro integrates the .NET Framework and ActiveX, simplifying common tasks and making powerful system capabilities available to your programs. Now it is easy to complete tasks such as programmatically sending an email report or invoking a web page.

With the included Active X Automation Server, other programs can call VEE Pro user functions. It supports all popular programming languages, including Visual Basic, C/C++, Visual C#, all .NET-compliant languages and National Instruments' LabVIEW.

In addition to providing built-in support for instruments and data acquisition devices, VEE Pro works with surface-mount machines, robots and other manufacturing equipment via the .NET Framework or ActiveX libraries supplied by the manufacturer. And it can be used as a standalone solution or included in a custom in-house solution.

Agilent VEE Pro programs also can be monitored and diagnosed remotely via the web or network.

It's standards-friendly to preserve your investment

Agilent VEE Pro supports industry-standard instrument drivers, including IVI-COM and VXIplug&play as well as a variety of legacy drivers. If an industry-standard driver is not available, use the .dll library supplied with many instruments and PC Cards.

In addition to GPIB connectivity, Agilent VEE Pro allows you to connect directly to LAN and USB-enabled instruments using industry-standard protocols. VXI, PC plug-ins and other backplanes also can be controlled from Agilent VEE Pro.

The open development environment of Agilent VEE Pro allows you to easily use other applications and tools. With access to .NET classes and assemblies, Agilent VEE Pro can programmatically perform everyday tasks and interact with other applications. The .NET Framework (Common Language Runtime and Framework Class Libraries) is installed with Agilent VEE Pro so it is instantly available. Support of ActiveX, DLLs, and other tools ensure access to the capabilities you need.

It's powerful

MATLAB® Script and The MathWorks Signal Processing Toolbox as well as the Microsoft .NET Framework Library are embedded in Agilent VEE Pro, included at no extra cost.

With MATLAB Script and The MathWorks Signal Processing Toolbox embedded in Agilent VEE Pro, you get 500 of the most popular MATLAB analysis and visualization

functions preprogrammed as one-click objects in Agilent VEE Pro. Without leaving Agilent VEE Pro, you can instantly transform your measurement data into usable information. Built-in MATLAB functions include:

- Numeric computation
- Engineering & scientific graphics (2D, 3D, waterfall, bar, pie)
- Signal processing
- Arrays, matrix math... and more

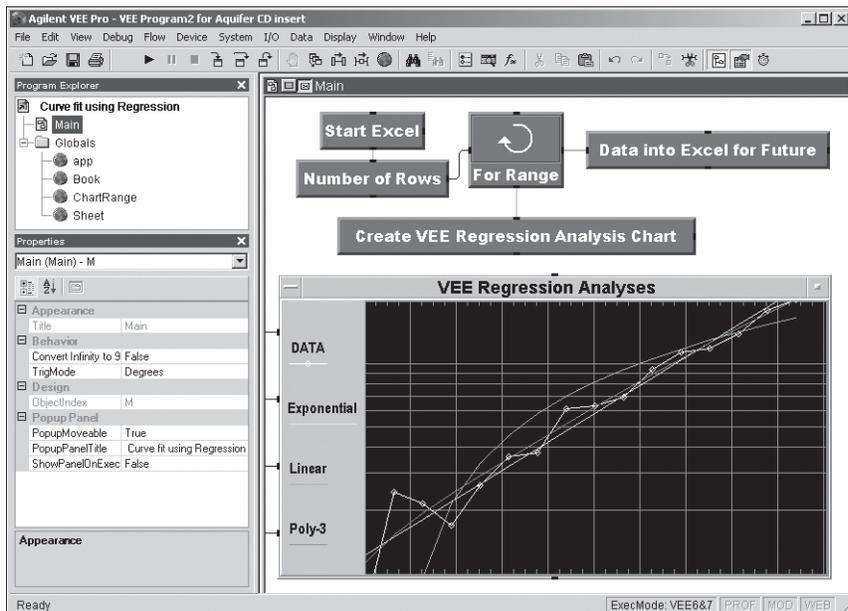
It's essential

With Agilent VEE Pro, you can do your job better and faster. It's an essential productivity tool for programmers worldwide, and it's the quickest, easiest way to get measurement analysis results. But don't take our word for it. Download your free, fully functional 30-day evaluation copy of Agilent VEE Pro at www.agilent.com/find/vee and see it in action.

It's included

There's no need to buy expensive add-ons to get the full set of VEE Pro functionality. Agilent VEE Pro includes all the capabilities and support you need to be successful including:

- Built-in MATLAB Script and Signal Processing Toolbox
- Menu-driven control of Excel
- Microsoft .NET Framework
- Unlimited runtime distribution of your Agilent VEE Pro applications
- Technical support included (Faculty product not included)
- Versions with German or Japanese localized documentation available



Minimum system requirements for Agilent VEE Pro 7.5

Software requirements

- Windows® 2000 with Service Pack 4 or higher, or Windows XP with Service Pack 1 or higher (If you wish to use VEE Pro with Windows 98 Second Edition, Windows NT 4.0 with Service Pack 6a, or Windows Millennium Edition, use VEE Pro 7.03)
- Microsoft Internet Explorer 5.01 or higher
- Agilent IO Libraries Suite 14.0 or higher (This is included with your VEE Pro purchase. See IO Libraries documentation for further requirements.)
- Microsoft Office 2000 or higher (if using Office products with VEE Pro)

PC hardware requirements & recommendations

- Pentium® 133 MHz processor; 1 GHz Pentium III or higher recommended
- 64 MB RAM, 256 MB RAM or higher recommended
- 350 MB Hard disk free space
- CD-ROM drive (if installing from CD)
- Super VGA (800x600) display or higher resolution monitor with 256 colors or more
- PC keyboard and 2-button mouse
- Required connectivity options for instrumentation:
 - Agilent 82350B PCI GPIB interface
 - Agilent 82357A USB/GPIB interface
 - Agilent E5810A LAN/GPIB gateway

- Agilent E5805A USB/4-port RS-232 interface
- Agilent E5813A networked 4-port USB hub
- USB connect to instruments supporting the TMC protocol
- Standard RS-232
- LAN connect to instruments supporting the VXI-11 protocol
- National Instruments (NI) I/O hardware using NI 488 version 1.5 or higher
- NI I/O hardware using NI VISA version 3.0 or higher
- National Instruments DAQ devices and modular instruments are supported via the following APIs:
 - NI-DAQ 7.3 or higher
 - NI-DMM 2.3.1 or higher
 - NI-SCOPE 2.7 or higher
 - NI-FGEN 2.2.1 or higher
 - NI-SWITCH 2.3 or higher

See the Agilent web site for more details.

Ordering information

www.agilent.com/find/vee

Agilent VEE Pro is available with German or Japanese localized documentation.

All Agilent VEE Pro products ship with embedded MATLAB Script, The MathWorks' Signal Processing Toolbox, .NET Framework and ActiveX programmatic access at no extra charge. In addition Agilent VEE Pro products ship with unlimited Runtime distribution rights. The full MATLAB product can be purchased from The MathWorks at www.mathworks.com or 508 647-7000.

Updated or new instrument drivers can be downloaded free of charge from the Agilent Developer Network website (requires free registration): www.agilent.com/find/adn.

The Agilent Developer Network site also provides example programs, technical notes, and a variety of other resources.

Worldwide service and support

With Agilent VEE Pro, you have access to Agilent's worldwide resources for start-up assistance, training classes, and update services. As part of the purchase of any Agilent VEE Pro product you are entitled to receive technical support free of charge. There is no need to register.

Additional consulting services are available from Agilent. There are currently over 30 companies available in North America, Europe, Middle East and Asia to help you develop your Agilent VEE Pro solution.

Join the Agilent VEE Pro electronic users group. Sign up through the Agilent VEE Pro web site or see www.agilent.com/find/vrf and get assistance on using Agilent VEE Pro from experts around the world.

To order Agilent VEE Pro

Note: All of the products listed below are structured as options under the W1140A product number

Product description	Notes
VEE Pro 7.5 Software (W1140A-VEE)	Includes VEE Pro 7.5 product and technical support.
Test Developers Bundle with VEE Pro 7.5 and T&M Toolkit 2.0 (W1140A-DEV)	A cost effective way to purchase Agilent VEE Pro 7.5 and T&M Toolkit 2.0 with Test Automation, plus technical support
Faculty version of VEE Pro 7.5 (W1140A-FC1) (for approved faculty members only)	Includes 50 licenses of VEE Pro 7.5, no support
VEE Pro 7.03 Software (W1140A-VE1)	Includes VEE Pro 7.03 product and technical support (available for users requiring Windows 98 or Windows NT support)

Upgrade licenses	Notes
Upgrade from VEE Pro 5 and earlier to VEE Pro 7.5 (W1140A-VEE-UP5)	Includes media, manuals, and technical support
Upgrade from VEE Pro 6.x to VEE Pro 7.5 (W1140A-VEE-UP6)	Includes media, manuals, and technical support
Upgrade from VEE Pro 7.0x to VEE Pro 7.5 (W1140A-VEE-U70)	Includes media, manuals, and technical support

*For additional ordering information, technical support policy, part numbers, and pricing assistance please refer to:
www.agilent.com/find/vee*

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you receive your new Agilent equipment, we can help verify that it works properly, and help with initial product operation.

Your Advantage

Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and onsite education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.



find/emailupdates

Get the latest information on the products and applications you select.



About Agilent Open

Agilent Open simplifies the process of connecting and programming test systems to help engineers design, validate and manufacture electronic products. Agilent combines a broad range of system-ready instruments, open industry software, PC-standard I/O and global support to accelerate test system development. For more information, see:

www.Agilent.com/find/Open.

www.agilent.com/

By internet, phone, or fax, get assistance with all your test & measurement needs

Online assistance:
www.agilent.com/find/assist

Phone or Fax

United States:
(tel) 800 829 4444
(fax) 800 829 4433

Canada:
(tel) 877 894 4414
(fax) 800 746 4866

China:
(tel) 800 810 0189
(fax) 800 820 2816

Europe:
(tel) (31 20) 547 2111
(fax) (31 20) 547 2390

Japan:
(tel) (81) 426 56 7832
(fax) (81) 426 56 7840

Korea:
(tel) (82 2) 2004 5004
(fax) (82 2) 2004 5115

Latin America:
(tel) (650) 752 5000

Taiwan:
(tel) 0800 047 866
(fax) 0800 286 331

Other Asia Pacific Countries:
(tel) (65) 6375 8100
(fax) (65) 6836 0252
(e-mail) tm_asia@agilent.com

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.

MATLAB is a U.S. registered trademark of The MathWorks, Inc.

Pentium is a U.S. registered trademark of Intel Corporation.

Product specifications and descriptions in this document subject to change without notice.

© Agilent Technologies, Inc. 2006
Printed in the USA March 9, 2006
5988-6302EN

