



BenchVue Software

Control. Automate. Simplify.









For more information:

Contact your NSCA & Tra-Cal Small Business Partner: Email info@nscainc.com or call your local sales rep today at 301-527-9200.

Simplified Measurement Viewing, Control and Capture

Keysight BenchVue software for the PC eliminates many of the issues around bench testing. By making it simple to connect, control instruments, and automate test sequences you can quickly move past the test development phase and access results faster than ever before. Dedicated instrument apps allow you to quickly configure the most commonly used measurements and setups for each instrument family. Additionally, Test Flow enabled apps help you drastically shorten your development of automated programs and further streamline your workflow.

Use BenchVue Apps to:

- Configure the most commonly used controls and measurements from instruments
- Visualize multiple measurements simultaneously
- Easily log and export data and images in a few clicks for faster analysis
- Quickly create automated test sequences with minimal instrument knowledge
- Access deeper instrument controls and solutions

Save time by:

- Analyzing results within BenchVue or with built-in data exports
- Learning software quickly with common look and feel apps
- Utilizing multiple instrument apps in one easy to use software platform



See your measurements across instruments in one place to quickly correlate measurement activities and obtain actionable insight. Depending on your measurement task, BenchVue provides extensive data, trace and measurement logging capabilities all from within one piece of software.

Plug and Play Instrument Control

Connecting and controlling an instrument to BenchVue is as simple as plugging it in and launching the BenchVue instrument application. No programming or separate instrument drivers required. BenchVue will automatically detect GPIB, USB and LAN instrument connections.



BenchVue Apps

Keysight's BenchVue software platform provides access to a wide array of instrument control, automation and analysis apps with different capabilities to enhance your productivity. These capabilities vary based on the functionality of the types of instruments, apps, and models that are connected to your PC running BenchVue software.

All instrument control apps such as BenchVue Digital Multimeter or BenchVue Oscilloscope apps allow you to easily control and build custom automated sequences using BenchVue Test Flow (for more details see page 5).

Technology-specific apps such as Solar Array Simulation software are dedicated apps for a specialized type of application or industry.

Lab management apps provide centralized lab instrument configuration, ability to track assets, and more lab administration features.



Current BenchVue apps and collections

- Complete Control Collection (BV9001B)
- Digital Multimeter (BV0001B)
- Function Generator (BV0002B)
- Power Supply (BV0003B)
- Oscilloscope (BV0004B)
- Data Acquisition (BV0006B)
- Power Meter (BV0007B)
- FieldFox Analyzer (BV0010B)
- Universal Counter (BV0011B)
- Electronic Load (BV0012B)
- Current Analyzer (BV0013B)
- LCR Meter (BV0014B)
- USB Modular Digital Multimeter App (BV0021B)
- USB Modular Function Generator App (BV0022B)
- USB Modular SMU App (BV0023B)
- USB Modular Oscilloscope App (BV0024B)
- USB Modular DAQ App (BV0025B)
- USB Modular Chassis (N/A) ¹
- USB Modular Switch Matrix (N/A) ¹
- Lab Manager (BV0110B)
- Lab Client (BV0111B)
- Spectrum Analyzer (Available in BV9001B)
- Network Analyzer (Available in BV9001B)
- Signal Generator (Available in BV9001B)
- Power Analyzer (N/A)¹
- Education Control Collection (BV9111B)
- Solar Array Simulation (DG8901A) ¹

1. The no-cost version of these apps do not require a paid license.

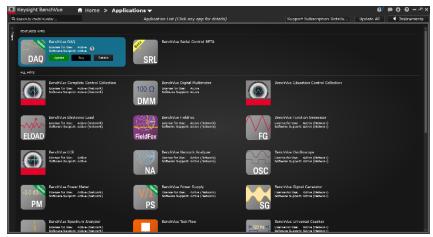
For the latest applications with free 30-day trials, check out the BenchVue Apps tab within BenchVue or visit: www.keysight.com/find/benchvue_apps

Many instruments now include a BenchVue app license with a new purchase. Visit www.keysight.com/find/IncludedBenchVue for more information

Faster test automation development

Instrument programming can be time consuming and laborious. With Test Flow enabled apps, you can build automated test sequences without needing in-depth instrument knowledge or programming. Also access advanced instrument controls for specialized testing with integrated Command Expert command sequences.

BenchVue Software Platform Features Application View



Example of BenchVue's applications view.

Additional applications (apps) can be easily viewed, downloaded and installed via the Application view within BenchVue. Filters can also be used to help you easily find Apps of interest. You can get a description of your app, start a free trial, install/remove Apps, and even license your app all within the Apps tab. Keysight recommends checking the Apps tab on a regular basis as existing Apps are updated constantly and new Apps are added all the time.

The Bench view

As BenchVue's main interface, you will do most of your instrument work in this tab. The instrument Apps launch into this tab, allowing you to control, data log or automate sequences with the BenchVue Test Flow app. Apps from this tab can also be expanded for better viewing. With the Bench Tab, you can view and control up to 4 instruments in BenchVue. Even more instruments can be controlled by expanding them into their own windows. To try out some of the BenchVue apps for instruments you don't currently have on your bench, use BenchVue's Demo mode.



Find us at www.keysight.com

Instrument tool bar

Located on the right side of BenchVue's interface, the Instrument Tool bar shows all instruments connected to your PC. Simply double click on any of your instruments to start interacting with that instrument in BenchVue. Toggle BenchVue's Demo mode on and off, and access other helpful configurations with the Instruments tool bar. Click on the Add button to open up Keysight's IO libraries to manually add more instrument connections.



Small icons, big impact

Tucked away in the corners of the BenchVue interface and each of the apps, are unobtrusive icons that can be very useful in enhancing your BenchVue experience.

Comment Icon - Use this menu to send feedback, report an issue or contact support.

Gear Icon – Use this menu to access additional settings and other configurations for the BenchVue platform, enable mobile access¹, or license your BenchVue app.

Question Icon – Press this icon to load the Help file. Note that each app has its own help icon, which provides "help" information specifically for that app.

Instruments Button – Toggle the visibility of connected instruments. Collapse the tool bar to gain more space to use your instrument in BenchVue

BenchVue Test Flow Button - Open and close the BenchVue Test Flow workspace.



1. Mobile support available with select BenchVue apps.

Data manager view

The Data Manager view is used to find past data logs. BenchVue automatically stores the data logs that you take; an especially useful feature if you've neglected to save critical data. This data repository allows you to filter based on either date range or app.

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Library view

You can find all the documentation for your Keysight instrument in the Library view. App notes, datasheets, user guides, and even videos are grouped together on the Library view for easier access than ever before. Simply click on your instrument on the Instrument Tool bar and additional documentation relating to that instrument is automatically loaded. Example Test Flow sequences and BenchVue videos are also available in the Library.

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BenchVue Test Flow App

Rapidly build automated tests in BenchVue

Build custom test sequences within BenchVue software using Test Flow. The intuitive drag-and-drop interface enables you to accomplish in minutes what can require days using traditional programming languages. Test Flow controls are integrated into most BenchVue apps. BenchVue Test Flow is enabled with most BenchVue control apps.

With BenchVue Test Flow you can:

- Create custom test sequences fast and intuitively
- Combine multiple instruments into a sequence for better
- DUT characterization
- Drag-and-drop controls for rapid test prototyping
- View data logs in tabular or graphical form

Interpret results more quickly by:

- Customizing your X-axis and Y-axis on graphs to view measurements
- Exporting data to popular tools such as MATLAB or Microsoft Excel and Word for documentation or further analysis



BenchVue Test Flow is integrated into the BenchVue framework and occupies the right-hand panel of the user interface.

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Create your test procedures in BenchVue Test Flow by dragging and dropping blocks into a test sequence. This intuitive method of test design allows you to understand the order of operations within your test sequence. Simply use the instrument controls and measurements that are available from integrated instrument controls in the BenchVue apps. For added flexibility, several utility blocks are available in BenchVue Test Flow including step controls, loops, and the ability to run SCPI commands, integrated Command Expert sequence blocks, or external programs.



Arrange the BenchVue Test Flow blocks in sequence in the order you want to run them. Top to bottom.



Built-in blocks add flexibility for your test sequences.

BenchVue Complete Control Collection



Access a complete collection of all BenchVue instrument control, automation and analysis apps. Including exclusive access to the Network Analyzer, Spectrum Analyzer and Signal Generator apps. Model: BV9001B Digital Multimeter App Function Generator App Power Supply App Oscilloscopes App Data Acquisition App

Power Meters/Sensors App

FieldFox App Universal Counter App Electronic Load App Current Analyzer App LCR Meter App USB Digital Multimeter App USB Function Generator App USB Modular SMU App USB Modular Oscilloscopes App USB Modular Data Acquisition App Lab Client App Spectrum Analyzer App Signal Generator App Network Analyzer App

BenchVue Digital Multimeter Control & Automation App



Easily control your DMM to quickly build automated tests, log measurements, and save valuable time. Model: BV0001B

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BenchVue Function Generator Control & Automation App





Intuitively control your function generators, build automated tests, and design custom waveforms. Model: BV0002B

BenchVue Power Supply Control & Automation App



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Easily control your power supplies to set parameters and quickly build automated tests. Model: BV0003B

BenchVue Oscilloscope Control & Automation App



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Conveniently control your oscilloscopes to quickly build automated tests and log data for analysis. Model: BV0004B

BenchVue Data Acquisition Control & Analysis App





Conveniently control your data acquisition units, easily visualize measurements and log data. Model: BV0006B

BenchVue Power Meter/Power Sensor Control & Analysis App





Conveniently control your power meters and power sensors, analyze RF power measurements, and quickly log data. Model: BV0007B

BenchVue FieldFox Control & Automation App



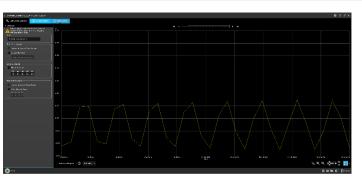
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Use your FieldFox in spectrum analyzer or network analyzer modes to quickly control parameters, capture measurements over time and build automated tests. Model: BV0010B

Universal Counter Control & Automation App



Easily control your counters to quickly build automated tests and log data for faster analysis. Model: BV0011B



BenchVue Electronic Load Control & Automation App



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Easily control your electronic loads, build automated tests, and visualize measurements over time. Model: BV0012B

BenchVue Spectrum Analyzer Control & Automation App



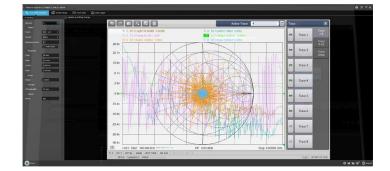


Intuitively control your spectrum or signal analyzers, build automated tests, and log trace data.

Model: BV9001B (Exclusively available in the BenchVue Complete Control Collection)

BenchVue Network Analyzer Control & Automation App





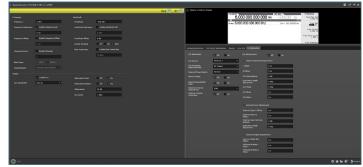
Intuitively control your network analyzers, quickly build automated tests, and acquire trace data. Model: BV9001B (Exclusively available in the BenchVue Complete Control Collection)

BenchVue Signal Generator Control & Automation App



Easily control signal generators to build automated tests, set parameters for faster analysis and load customer arbitrary waveforms from files.

Model: BV9001B (Exclusively available in the BenchVue Complete Control Collection)



BenchVue Power Analyzer Control & Automation App



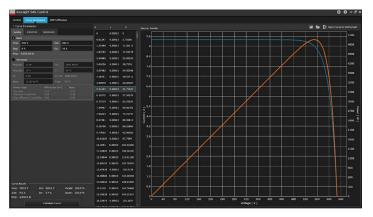


Conveniently control your power analyzers, quickly visualize measurements, and easily log data. Model: No cost download.

Solar Array Simulator Control



Easily create, manipulate, view, and execute photovoltaic I-V curves for testing PV inverters. Model: DG8901A



BenchVue Current Analyzer Control and Analysis App

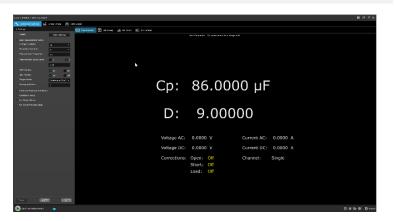


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Conveniently connect and control your current analyzers to quickly view measurements, build automated tests, and log data for analysis. Model: BV0013B

BenchVue LCR Control and Automation App





Connect and control your LCR meters to quickly view measurements, configure sweeps, build automated tests, and log data for analysis. Model: BV0014B

USB Modular Digital Multimeter App

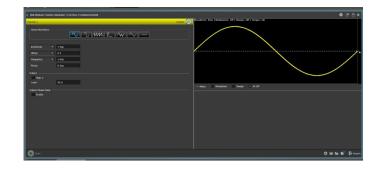


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Connect and control your USB Modular DMM to view \ measurements and plot or log data. Model: BV0021B

USB Modular Function Generator App





Connect and configure your USB Modular function generator to create waveforms. Model: BV0022B

USB Modular Source Measure Unit (SMU) App



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Configure voltage and current source, range, and limits for USB Modular SMU channels and log data. Model: BV0023B

USB Modular Oscilloscope App



Keysight Benchi/ue		Bench	Apps	Data Manager	Ubrary			00-
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Configure and control your USB Modular oscilloscope to capture screen images, record trace data and log measurements. Model: BV0024B

USB Modular Data Acquisition Control App

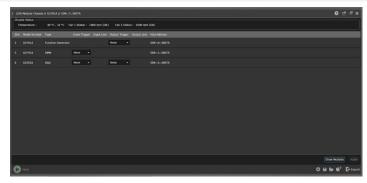


Connect and configure your USB Modular DAQ channels to make measurements and log data. Model: BV0025B

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USB Modular Source Measure Unit (SMU) App





Configure triggers, monitor temperature and see connected USB modular units connected to your chassis.

USB Modular Switch Matrix App





Easily open and close relays channels on your USB Modular switch matrix

BenchVue Lab - Manager



Centralized control and bench management of instruments in a lab environment. Model BV0110B



BenchVue Lab - Client





Used with Lab Manager to control instruments and bench setups from a central PC. Model: BV9111B

BenchVue Education Lab and Control Collection





Exclusively for schools and universities. free student access, designed to fit into an education budget. Multiple networked licenses, Model: BV9111B

Serial Control App



Intuitively send receive commands from your serial devices to your PC. Control and automate serial devices within BenchVue along with your instruments.

Application Comparisons

BenchVue software supports many Keysight instrument types and hundreds of models all from one platform. Choose from a variety of powerful apps below to accelerate your workflow.

Control, Automation and Analysis apps	Арр Туре	Features	Test Flow Automation Capabilities	Mobile Support
BenchVue Complete Control Collection (BV9001B)	Control, automation, analysis	 Access to all BenchVue control, automation, or analysis apps Exclusive access to Spectrum Analyzer, Network Analyzer, Signal Generator apps 	 Controls integrated in app Using Command Expert instrument controls 	Depends on app used
Digital Multimeter App (BV0001B)	Control & automation	 Instrument control and measurements Data logging with graphing Digitizer functions Limit testing and alerts 	 Controls integrated in app Using Command Expert instrument controls 	Yes
Function Generator App (BV0002B)	Control & automation	 Instrument control and measurements Waveform editing capabilities 	 Controls integrated in app Using Command Expert instrument controls 	Yes
Power Supply App (BV0003B)	Control & automation	 Instrument control and measurements Log output V&I data with graphing Status alerts 	 Controls integrated in app Using Command Expert instrument controls 	Yes
Oscilloscope App (BV0004B)	Control & automation	 Instrument control and measurements Get screen images and trace data Log measurements with graphing Limit testing and alerts 	 Controls integrated in app Using Command Expert instrument controls 	Yes
Data Acquisition App (BV0006B)	Control & analysis	 Instrument control and measurements Data graphing tools In depth analysis Log measurements 	– Using Command Expert instrument controls	No
Power Meter App (BV0007B)	Control & analysis	 Instrument control and measurements Data visualization tools Multi-unit control 	– Using Command Expert instrument controls	No
FieldFox App (BV0010B)	Control & automation	 Instrument control and measurements Support for SA and NA personalities Log trace data and screen images 	 Controls integrated in app Using Command Expert instrument controls 	No
Universal Counter App (BV0011B)	Control & automation	 Instrument control and measurements Log frequency or time interval data 	 Controls integrated in app Using Command Expert instrument controls 	No
Electronic Load App (BV0012B)	Control & automation	 Instrument control and measurements Log power, V, I Parallel channel config 	 Controls integrated in app Using Command Expert instrument controls 	No
Current Analyzer App (BV0013B)	Control and Automation	 Instrument control and measurements Get screen images and trace data Log measurements with graphing 	 Controls integrated in app Using Command Expert instrument controls 	No
LCR Meter App (BV0014B)	Control and Automation	 Instrument control and measurements Get screen images and trace data Log measurements with graphing 	 Controls integrated in app Using Command Expert instrument controls 	No
Spectrum Analyzer App (BV9001B)	Control & automation	 Instrument control and measurements Log screen Images Log trace data 	 Controls integrated in app Using Command Expert instrument controls 	Yes

Control, Automation and Analysis apps	Арр Туре	Features	Test Flow Automation Capabilities	Mobile Support
Network Analyzer App (BV9001B)	Control & automation	 Instrument control and measurements Log screen Images Log trace data 	 Controls integrated in app Using Command Expert instrument controls 	No
Signal Generator App (BV9001B)	Control & automation	 Instrument control and measurements Arbitrary waveform setting 	 Controls integrated in app Using Command Expert instrument controls 	No
Power Analyzer App (N/A)	Control & analysis	 Instrument control and measurements Log measurements Screen captures 	NA	No
Solar Array Simulator Control App (DG8901A)	Technology specific	 Simple solar array simulator controls View I-V, power curves Create PV curves (in licensed version only) 	NA	No
Serial Control App	Control and automation	 Interface control with read write capabilities 	 Controls integrated in app Using Command Expert instrument Controls" 	
USB Modular Digital Multimeter (BV0021B)	Control and analysis	 Instrument control and measurements Data logging with graphing Limit testing and alerts 	NA	No
USB Modular Function Generator (BV0022B)	Control	 Instrument control and measurements 	NA	No
USB Modular Source Measure Unit (BV0023B)	Control and analysis	 Instrument control and measurements Data logging with graphing Parallel/Serial channel configurations 	NA	No
USB Modular Oscilloscope (BV0024B)	Control and analysis	 Instrument control and measurements Get screen images and trace data Limit testing and alerts 	NA	No
USB Modular Data Acquisition Control (BV0025B)	Control and analysis	 Instrument control and measurements In depth analysis Log measurements 	NA	No
USB Modular Chassis	Control	- Chassis control and measurements	NA	No
USB Modular Switch Matrix	Control	– Instrument control	NA	No
Lab Manager (BV0110B)	Lab Management	 Configure lab bench setup Asset tracking Monitor bench status 	NA	No
Lab Client (BV0111B)	Lab Management	 Works with Lab Manager Configure local bench setup 	NA	No
Education Lab and Control Collection (BV9111A)	Lab Management and Control	 Configure lab bench setups Asset tracking Monitor bench status Instrument control and measurements 	NA	No

BenchVue Software Supported Instruments

Each of the BenchVue apps support certain Keysight instrument models. These apps are updated regularly with additional models as shown below. For the most current supported instrument list, visit: www.keysight.com/find/BenchVueInstruments

Data acquisition units (4)	Power meters/ sensors (33)	Function generators (19)	Power supplies/SMUs (168)	Spectrum/signal analyzers (30)	Oscilloscopes (218)
34970A 34972A DAQ970A 34980A Digital multimeters (10) 34401A,34405A, 34410A, 34405A, 34400A ¹ , 34450A ¹ , 34460A ¹ , 34461A ¹ , 34465A ¹ , 34461A ¹ , 34465A ¹ , 34470A ¹ Network analyzers (45) ENA E50xxA/B/C (5) PNA N522xA/B (10) PNA-L N523A/B/C (11) PNA-X N524xA/B (12) PXI VNAs M937xA (6) PXIe multiport VNA M9485A	U2021XA ¹ U2022XA ¹ U2041XA ¹ U2042XA ¹ U2043XA ¹ U2043XA ¹ U2049XA LAN ¹ U2000 Series ¹ (9) U2053/63 Series ¹ L2050/60 Series ¹ (6) U848x Series ¹ (4) N191xA ¹ (4) N8262A ¹	(19) A1 332x0A (3) A1 33500 Series1 A1 (10) A1 33600 Series1 (4) A1 81150A A1 81150A A1 81160A B100 9 A1 9 PA2201A 9 PA2203A 9 Signal 9 Generators (14) 9 E4428C 8 E4428C 8 E3663D	B2900 Series ¹ (4) B2961A/62A ¹ E3600 Series (14)	X-Series N9040B UXA N9030A/B PXA N9020A/B MXA N9010A/B EXA M9290A CXA HSA N934xC (3) ESA E440xB (4) PSA E444x (6) BSA N932xB/C (2)	1000-X Series ¹ (4) 2000-X Series ¹ (12) 3000-X Series ¹ (18) 3000T Series ¹ (20) 4000-X Series ¹ (20) 4000-X Series ¹ (20) 6000-X Series ¹ (4) 6000L Series (3) 6000-X Series (3) 6000-X Series (3) 6000-X Series (28) 9000 Series (8) 90000 Series (8) 90000 Q-Series (8) 90000 Q-Series (5) 90000 X-Series (12) 90000 DSA Series (12) 90000 DSA Series (16) P924xA Series (3) S Series (14) V Series (18) Z Series (10)
				(4)	
	Current Analyzers (2) CX3322A CX3324A			N3300A ¹ N3301A ¹ 6060B 6063B	
USB modular devices (21)	LCR Meters (2)	N518xA (3)		FieldFox analyzers (22)	
U2300 Series ¹ U2500 Series ¹ U2600 Series ¹ U2700 Series ¹	E4980A E4980AL			N9912A-N9918A (6) N9923A-N9928A (4) N9935A-N9938A (4) N9950A-N9952A (3) N9960A-N9962A	Counters (3) 53210A ¹ 53220A ¹ 53230A ¹

 1 New Instrument purchases include a Node locked perpetual BenchVue app license
 (3)

BenchVue mobile

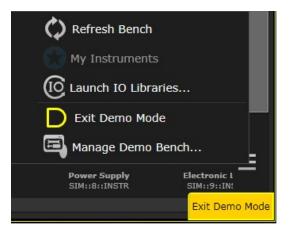
Mobile apps lets you monitor and respond to long running tests from anywhere for our most popular instrument families. Multimeters, oscilloscopes, function generators, spectrum analyzers and power supplies are all supported from one app.



BenchVue mobile is a mobile app that you can install on an Android or Apple iOS device to control BenchVue bench applications running on your Windows computer. BenchVue mobile connects to your computer as a client, and requires that your mobile device and computer be connected to the same local network or intranet (behind the same corporate firewall). This network connection can be made via a WiFi connection inside your work location or externally through a VPN connection.

BenchVue Demonstration Mode

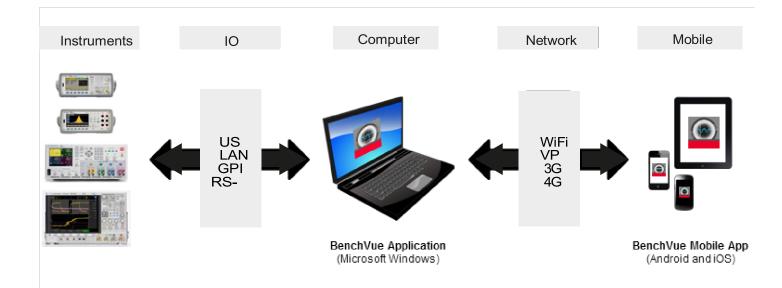
BenchVue includes a demonstration mode that does not require instruments to be connected, making product evaluation quick and easy. Simply download and click "enable demo mode" under the global setting menu to begin exploring BenchVue functionality.



To assist in the evaluation of BenchVue with physical instruments, BenchVue includes an integrated help file and getting started guide to make setup quick and easy.

Supported Apps for BenchVue Mobile

- Digital Multimeter app
- Function Generator app
- Power Supply app
- Spectrum Analyzer app
- Oscilloscope app



License Terms, License Types, and Support Subscriptions

You can now choose your license type (node-locked (fixed), transportable, floating (single site), or USB portable), license term (perpetual or time-based license), and then choose the support subscription period that best meets your needs. See more details below.

License terms

License Term	Description
Perpetual	Perpetual licenses can be used indefinitely.
Time-Based	Time-based licenses can be used through the term of the license (6, 12, 24 month options available).

License types

License Type	Description
Node-locked ¹	License can be used on one specified instrument/computer.
Transportable	License can be used on one instrument/computer at a time but may be transferred to another using Keysight Software Manager (internet connection required).
USB Portable	License can be used on one instrument/computer at a time but may be transferred to another using a USB dongle. Available for additional purchase, Keysight part number E8900-D10.
Floating (single site)	Networked instruments/computers can access a license from a server one at a time. Multiple licenses can be purchased for concurrent usage.

¹ See additional licensing considerations below for licenses included with instrument purchases

Support subscriptions

License Term	Support Subscription		
Perpetual	Perpetual licenses are sold with a 12 (default), 24, 36, or 60-month software support subscription. Support subscriptions may be renewed for a fee after that.		
Time-Based	Time-based licenses include a software support subscription through the term of the license.		

Ordering New BenchVue Software Apps and Collections

- **Step 1.** Choose your software product.
- Step 2. Choose your license term: perpetual or time based.
- Step 3. Choose your license type: node-locked, transportable, USB portable, or floating.
- **Step 4.** Depending on the license term, choose your support subscription duration.

3		License Term 2				
Product	License Type	Perpetual		Time-based		
		License		Support Subscription		License & Support Subscription
1 vample: 00004B	Node-locked (fixed)	~	+	12, 24, 36, or 60 months		6, 12, or 24 months
	Transportable	~	+	12, 24, 36, or 60 months 4		6, 12, or 24 months
	USB Portable ¹	~	+	12, 24, 36, or 60 months		6, 12, or 24 months
	Floating (single site)	~	+	12, 24, 36, or 60 months		6, 12, or 24 months

¹ USB portable license requires a certified USB dongle (available for additional purchase, Keysight part number E8900-D10

Additional Licensing Considerations

- An Entitlement Certificate is delivered with each purchased software order. Follow the directions on the certificate to redeem your order for your license. License redemption requires an internet connection.
- Many Keysight instruments include a Node-Locked Perpetual license with a new instrument purchase. These licenses are locked to your instrument and must be activated by connecting your instrument to BenchVue 2019 (or above) to activate. Visit www.keysight.com/find/IncludedBenchVue and www.keysight.com/find/find/benchvuelicensehelp for more information
- BenchVue Node-locked licenses purchased separately i.e., not included with an instrument, are node-locked to a PC and not to an instrument.

Floating License Server Requirements

Network Floating licenses require loading a vendor daemon on a license server. This server may be the same PC running BenchVue software or a separate server. Full installation instructions (5951-5739) and support are provided for compatible server operating systems:

Keysight license server software (Imgrd.exe and agileesofd.exe) is supported on: Microsoft Windows 7 Enterprise SP1(32-bit and 64-bit) Microsoft Windows 10 Creators Update (32-bit and 64-bit), 64-bit Red Hat Linux v7.0

Keysight License Manager 6 is supported on: 64-bit Microsoft Windows 7 Enterprise SP1, Microsoft Windows 10 Creators Update 64-bit

The license server software is supported on 32-bit and 64-bit Windows and 64-bit Linux systems, but the Keysight License Manager 6 utility is supported on 64-bit Windows systems only. To setup licensing on 32-bit Windows and on Linux systems, use the processes described in the Manual License Setup section of https://literature.cdn.keysight.com/litweb/pdf/5951-5739.pdf

System and Installation Requirements

Computer operating system		
Windows 10, 8, 7	 Windows 10 32-bit and 64-bit (Professional, Enterprise, Education, Home versions) Windows 8, 8.1 32-bit and 64-bit (Professional, Enterprise, Core) Windows 7 SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium) 	
Computer hardware	 Windows 10, 8, 8.1 and 7 Processor: 1 GHz or faster (2 GHz or greater recommended) RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended) 	
Interfaces	USB, GPIB, LAN, RS-232	
Display resolution	1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view)	

Additional requirements

BenchVue requires a VISA library (Keysight or National Instruments) when used to connect to physical instruments. Keysight IO Libraries Suite, which contains the necessary VISA, will be downloaded and installed automatically when BenchVue is installed if needed. IO Libraries Suite 2019 or newer is recommended. IO Libraries Suite information is available at: www. keysight.com/find/iosuite

Mobile devices

Apple iPhone, iPad, iPod Touch all models; iOS 9.0 and later. Android phone and tablets; Android 4.0.3 and later.

Control. Automate. Simplify.

BenchVue software for PC

Download a free 30-day trial today at:

www.keysight.com/find/BenchVue

BenchVue software for mobile devices

Find BenchVue mobile for your respective device by visiting www.keysight.com/find/BenchVueMobile

Keysight also offers a variety of optional start-up assistance and project consulting services to help you maximize your test development productivity. Contact your Keysight sales specialist www.keysight.com/find/services

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

