Keysight Technologies
BenchVue Software 2017 (BV0000A)
Your Bench. Just Smarter.

Configuration Guide

KEYSIGHT
TECHNOLOGIES

Unlocking Measurement Insights

Your Bench. Just Smarter.

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 with just a few clicks.

Dedicated instrument apps allow you to quickly configure the most commonly used measurements and setups for each instrument family. Using the integrated Test Flow app you can rapidly build custom test sequences to automate and visualize test results without the need for instrument programming and significantly 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 screen images in just a few clicks for faster analysis
– Create automated test sequences fast 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

BenchVue is Enabled on Over 470 Keysight Instruments

BenchVue software works with hundreds of Keysight digital multimeters, power supplies, function/arbitrary waveform generators, spectrum analyzers, data acquisition units, network analyzers, oscilloscopes, power meters, power sensors, electronic loads, universal counters, and more.

For full list of Keysight enabled instruments visit:
www.keysight.com/find/benchvueinstruments

BenchVue software allows you to control your instruments, easily build automated tests and drive measurements to actionable insights faster.

BenchVue Software Supported Instruments

Each of the BenchVue apps support certain Keysight instrument models. BenchVue connects to over 470 instruments and continues to expand. 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 (2)	Power meters/ sensors (25)	Function generators (19)	Power supplies/SMUs (146)	Spectrum/signal analyzers (30)	Oscilloscopes (174)
34970A	U2021XA	332x0A (3)	B2900 Series (4)	X-Series	1000-X Series (4)
34972A	U2022XA	33500 Series (10)	B2961A/62A	N9040B UXA	2000-X Series (12)
Digital multimeters (10)	U2041XA	33600 Series (4)	E3600 Series (14)	N9030A/B PXA	3000-X Series (18)
344xxA	U2042XA	81150A	E36100 Series (5)	N9020A/B MXA	3000T Series (20)
Network analyzers (29)	U2043XA	81160A	E36300 Series (4)	N9010A/B EXA	4000-X Series (16)
ENA E50xxA/B/C (5)	U2044XA	**Power analyzers (2)**	N5700 Series (24)	N9000A/B CXA	5000 (5)
PNA N522xA (5)	U2049XA LAN	PA2201A	N6700A/B/C	M9290A CXA	6000A Series (16)
PNA-L N523xA/C (6)	U2000 Series (9)	PA2203A	N6701A/C	HSA N934xC (3)	6000L Series (3)
PNA-X N524xA (6)	U848x Series (4)		N6702A/C	ESA E440xB (4)	6000-X Series (4)
PXI VNAs	N191xA (4)		N6705A/B/C	PSA E444x (6)	7000 Series (28)
M937xA (6)	N8262A	**Signal generators (14)**	N6785A	BSA N932xB/C (2)	9000 Series (8)
PXIe multiport VNA		E4428C	N6786A	**Electronic loads (4)**	90000 (6)
M9485A		E4438C	N6900 Series (12)	N3300A	90000 Q-Series (5)
		E8257D	N7900 Series (12)	N3301A	90000 X-Series (12)
		E8267D	N8700 Series (21)	6060B	S Series (14)
		E8663D	N8900 Series (36)	6063B	
		EXG X-Series		**FieldFox analyzers (22)**	**Counters (3)**
		N517xB (3)		N9912A	53210A
		MXG X-Series		N9913A–N9918A (6)	53220A
		N518xB (3)		N9923A	53230A
		N518xA (3)		N9925A–N9928A (4)	
				N9935A–N9938A (4)	
				N9950A–N9952A (3)	
				N9960A–N9962A (3)	

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	App Type	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	– Controls integrated in app – 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
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
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

Selecting the Right BenchVue License

Keysight offers a variety of licensing options to fit your needs. Choose your type. Choose your term. Keep control of your budget. With every BenchVue app or bundle you may choose different licensing terms. The most common option is the Perpetual Transportable license.

License Types	License Terms	
	Perpetual	**Time Based (1 year)**
Fixed Node Locked	–1FP	–1FY
Transportable	–1TP*	–1TY
Network Floating	–1NP	–1NY

* Most popular license configuration

Terms

Perpetual – No time limit on software usage
Time Based – Software use limited to 1 year

Types

Fixed Node Locked– Software license for 1 PC
Transportable – Ability to transfer license from PC to another PC
Network Floating – Network-based license provides multiple users access to software license from server
Each BenchVue app is available with all 6 license types. Select which license type that is right for you.

Ordering your license

Your Keysight representative or favorite Keysight sales partner may help you with the ordering process.
These are the typical steps when selecting a Keysight software product.

Step 1: Choose your apps/bundle.
"I want to use BenchVue for all my bench instruments, I want the BenchVue Complete Control Collection"
– Select **BV9001B**

Step 2: Choose your license terms and type.
"I want an app that can be used in my lab or my desk (2 computers) and we'll need the app indefinitely"
- Select **-1TP**

Step 3: For the complete order number combine the model and license term/type:
BV9001B-1TP

Step 4: Choose a paper or electronic delivery of your license entitlement certificates.
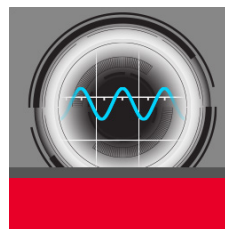
Step 5: Place your order.

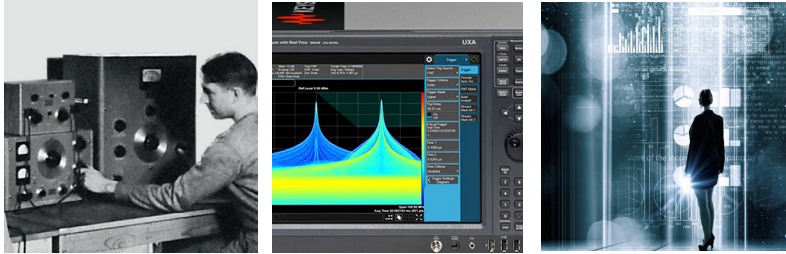## BenchVue Software

Control. Automate. Simplify.

Start accelerating your workflow and download a free 30-day trial version today:
www.keysight.com/find/benchvue

Evolving

Our unique combination of hardware, software, support, and people can help you reach your next breakthrough. We are unlocking the future of technology.

From Hewlett-Packard to Agilent to Keysight

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A personalized view into the information most relevant to you.

Keysight Channel Partners
www.keysight.com/find/channelpartners
Get the best of both worlds: Keysight's measurement expertise and product breadth, combined with channel partner convenience.

www.keysight.com/find/benchvue

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

Americas

Canada	(877) 894 4414
Brazil	55 11 3351 7010
Mexico	001 800 254 2440
United States	(800) 829 4444

Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 11 2626
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Other AP Countries	(65) 6375 8100

Europe & Middle East

Austria	0800 001122
Belgium	0800 58580
Finland	0800 523252
France	0805 980333
Germany	0800 6270999
Ireland	1800 832700
Israel	1 809 343051
Italy	800 599100
Luxembourg	+32 800 58580
Netherlands	0800 0233200
Russia	8800 5009286
Spain	800 000154
Sweden	0200 882255
Switzerland	0800 805353
	Opt. 1 (DE)
	Opt. 2 (FR)
	Opt. 3 (IT)
United Kingdom	0800 0260637

For other unlisted countries:
www.keysight.com/find/contactus
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DEKRA Certified
ISO9001 Quality Management System

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