

Keysight Technologies

BenchVue Software

BV0003B Power Supply Control App

2021.1 Version Information

Released Date: April 26, 2021

Requirements categories

PC operating system & hardware:

- Windows 10: 64-bit (version 1809 or later)
- Processor: Intel Core i5 (or equivalent)
- RAM: 8 GB
- Storage Drive: 900MB free space
- Display resolution: 1920x1080 recommended

Current List of BenchVue Enabled Keysight Instruments: www.keysight.com/find/benchvueinstruments

File Name: PathWaveBenchVuePS_2021.1_Setup.exe

Notable changes

- New supported models N69143A, N69145A, N69146A, N69172A, N69173A
- 7 Build In Arb supported in N6705 A/B/C and N6700/01/02C and N6700 Series Modular System Power Supplies, Sine, Step, Ramp, Trapezoid, Exponential, Pulse and Staircase.
- Enable Aux measurement data logging in datalogger.
- Enable analytics.
- Defects fix for usability and stability.

2021 Version Information

Released Date:	March 15, 2021
Requirements categories	
PC operating system & hardware:	Windows 10: 64-bit (version 1809 or later)
	Processor: Intel Core i5 (or equivalent)
	RAM: 8 GB
	Storage Drive: 900MB free space
	Display resolution: 1920x1080 recommended
Current List of BenchVue Enabled Keysight Instruments:	www.keysight.com/find/benchvueinstruments
File Name:	PathWaveBenchVuePS_2021_Setup.exe

Notable changes

- Standalone Pathwave Benchvue platform (Does not require installation of prerequisite software)

New Supported Modes:

DC Power Supplies & Source Measure Units (44)	B2901B, B2901BL, B2902B, B2910B, B2911B, B2912B, B2961B, B2962B EDU36311A N6731B, N6741B, N6732B, N6742B, N6733B, N6743B, N6773A, N6734B, N6744B, N6774A, N6735B, N6745B, N6775A, N6736B, N6746B, N6776A, N6777A, N6751A, N6752A, N6753A, N6754A, N6755A, N6756A, N6761A, N6762A, N6763A, N6764A, N6765A, N6766A, N6781A, N6782A, N6783A, N6784A RP7972A, RP7973A
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Meter View Improvement:

1. Meter view display clearly in series, parallel, tracking, no module, double wide and output grouping status
2. User available to collapsed and expand channel view
3. Support Power measurements in meter view readings
4. Add OCP delay, OCP delay start and clear protection features
5. Support measurement ranges selection
6. Add Power and Resistance priority mode, settings and ranges
7. Single / Multi output meter view
8. Add all on and all off for output
9. Voltage, Current, Power and Resistance slew rise and fall rate settings
10. Positive and negative max slew rate settings

11. Output operation mode and tracking
12. Aux voltage measurement

DataLog Improvement:

1. Enable limit testing in datalog alert settings
2. Number of samples acquired settings in datalog configuration
3. X and Y axis markers available in datalog chart
4. Delta X and Y markers value available in marker table
5. Single or multi trace selection in datalog chart
6. Datalog trace thickness
7. Added power trace in datalog
8. Min, max and average marker measurements
Improve data log minimum sampling rate up 1ms +- (best cases with dependency on instrument capability and connectivity) , average 2.5ms

Export Improvement:

1. Add export options in ranges for data logging
2. Add trace data summary in export settings
3. User able to export even when datalog is running

New Features added:

1. Output List
2. DIO Configuration
3. UVP and UVL settings
4. Negative Voltage/Current limit
5. AHWL measurement
6. Reset AHWL
7. Tracking Limits
8. Sensing
9. Channel Coupling and delay
10. Power Limit
11. Emulating Mode
12. Watchdog settings
13. Impedance mode
14. Oscillation protection and output preference
15. Enable Aux voltage
16. Programmable resistance and protection coupling
17. Enable short
18. Voltage Inhibits
19. Output volt/current bandwidth
20. Under voltage inhibit and voltage on
21. Delay offset and coupling
22. Output polarity relay and resistance
23. OPP settings
24. Tmode coupling

25. Sense Fault detection
26. Operation mode (Tracking, Series, Parellel, Independence)

Bug Fixing From BenchVue:

1. OVP, OCP not available in E36300/E36200 series
2. N69/7900 and RP7900 Output On time out issues

NOTE: Mobile app and test flow features are not available in current version of standalone software.

2019 Version Information

Released Date:	March 14, 2019
Requirements categories	
PC operating system & hardware:	<p>Windows 10: 32-bit and 64-bit (Professional, Enterprise, Education, Home versions)</p> <p>Windows 8, 8.1: 32-bit and 64-bit (Professional, Enterprise, Core)</p> <p>Windows 7: SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium)</p> <p>Processor: 1 GHz or faster (2 GHz or greater recommended)</p> <p>RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended)</p> <p>Interfaces: USB, GPIB, LAN, RS-232</p> <p>Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view)</p>
Mobile Devices: (for companion BenchVue Mobile app)	<p>Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later.</p> <p>Android phone and tablets; Android 4.0.3 and later.</p>
Current List of BenchVue Enabled Keysight Instruments:	www.keysight.com/find/benchvueinstruments
File Name:	BenchVuePSSetup_2019.0314.0.002.exe

Notable changes

- Added support for N6791A and N6792A DC Electronic Load
- Added support for E36231A/E36232A and E36233A/E36234A Autoranging DC Power Supply

2018 Update 1 Version Information

Released Date:	June 20, 2018
Requirements categories	
PC operating system & hardware:	<p>Windows 10: 32-bit and 64-bit (Professional, Enterprise, Education, Home versions)</p> <p>Windows 8, 8.1: 32-bit and 64-bit (Professional, Enterprise, Core)</p> <p>Windows 7: SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium)</p> <p>Processor: 1 GHz or faster (2 GHz or greater recommended)</p> <p>RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended)</p> <p>Interfaces: USB, GPIB, LAN, RS-232</p> <p>Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view)</p>
Mobile Devices: (for companion BenchVue Mobile app)	<p>Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later.</p> <p>Android phone and tablets; Android 4.0.3 and later.</p>
Current List of BenchVue Enabled Keysight Instruments:	www.keysight.com/find/benchvueinstruments
File Name:	BenchVuePSSetup_2018_Update2.exe

Notable changes

- Defects fixed for stability and usability
- Added support for RP7931A, RP7932A, RP7933A, RP7935A, RP7936A, RP7941A, RP7942A, RP7943A, RP7945A, RP7946A

2018 Version Information

Released Date:	Feb 16, 2018
Requirements categories	
PC operating system & hardware:	<p>Windows 10: 32-bit and 64-bit (Professional, Enterprise, Education, Home versions)</p> <p>Windows 8, 8.1: 32-bit and 64-bit (Professional, Enterprise, Core)</p> <p>Windows 7: SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium)</p> <p>Processor: 1 GHz or faster (2 GHz or greater recommended)</p> <p>RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended)</p> <p>Interfaces: USB, GPIB, LAN, RS-232</p> <p>Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view)</p>
Mobile Devices: (for companion BenchVue Mobile app)	<p>Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later.</p> <p>Android phone and tablets; Android 4.0.3 and later.</p>
Current List of BenchVue Enabled Keysight Instruments:	www.keysight.com/find/benchvueinstruments
File Name:	BenchVuePSsetup.exe

Notable changes

- Defects fixed for stability and usability
- Added support for RP7951A, RP7951AT, RP7952A, RP7952AT, RP7953A, RP7961A, RP7962A, and RP7963A
- Added support for E36102B, E36103B, E36104B, E36105B, and E36106B

2017 Version Information

Released Date:	March 29, 2017
Requirements categories	
PC operating system & hardware:	<p>Windows 10: 32-bit and 64-bit (Professional, Enterprise, Education, Home versions)</p> <p>Windows 8, 8.1: 32-bit and 64-bit (Professional, Enterprise, Core)</p> <p>Windows 7: SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium)</p> <p>Processor: 1 GHz or faster (2 GHz or greater recommended)</p> <p>RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended)</p> <p>Interfaces: USB, GPIB, LAN, RS-232</p> <p>Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view)</p>
Mobile Devices: (for companion BenchVue Mobile app)	<p>Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later.</p> <p>Android phone and tablets; Android 4.0.3 and later.</p>
Current List of BenchVue Enabled Keysight Instruments:	www.keysight.com/find/benchvueinstruments
File Name:	BenchVuePSsetup.exe

Notable changes

- BenchVue Power Supply app now requires a license
- App includes Test Flow automation and Command Expert blocks
- Support for new license terms
- Defects fixed for stability and usability
- Added support for N6700C, N6701C, N6702C, and N6705C
- Added support for E36300 Series

NOTE: Previous versions of this app are not compatible with the BenchVue 2017 Platform software. For compatibility, use the older versions of the BenchVue Platform software (3.7 and earlier). Download and install the older version of this app from the Apps tab within your version of BenchVue.