PathWave BenchVue Software
BV0006B Data Acquisition Control & Automation App

PathWave BenchVue Data Acquisition 2022

Release Version:	2022
Released Date:	09 May 2022
Operating System:	Windows 10: 32-bit and 64-bit (Professional, Enterprise, Education, Home versions)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Licensing:	Included license, Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Release (2022)

New Features

Implemented user-based login and new export data log capability (available in Fall 2022)

KEYSIGHT
TECHNOLOGIES

Enhancements

- Added time stamp information for exporting digitizer data
- Improved time delta between M2-M1 markers display capability from seconds to microseconds
- Improved reading gadget resolution to nano (10E-9)

Resolved Issues

- Auto export function will handle changes made on instrument configurations to avoid misunderstanding of missing data.
- Defects fix for usability and stability

PathWave BenchVue Data Acquisition 2021

Release Version:	2021
Released Date:	07 May 2021
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Licensing:	Included license, Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Update Release

New Features

- Provided export CSV file function on DAQM909 digitizer data.

Enhancements

- Added Average statistical operation to Data Grid gadget
- Enabled Statistical data operation (Min, Max, and Average) to Multi Get Test flow
- Offered an option for user to choose a display format for monitor channel and data grid gadget Normal
- Improved Formula up to 6th order on polynomial math function for data logging math operation
- Remembered alarm settings when save instrument state files.
- Added module name and serial number into exported digitizing file
- Auto scale chart when digitizing process finished.
- Offered Scientific notation on monitor channel
- Increase comment files max. characters from 160 to 500.
- Improved chart latency for multiple X-Y plots

Resolved Issues

- Defects fix for usability and stability

PathWave BenchVue Data Acquisition 2020

Release Version:	2020
Released Date:	01 Feb 2020
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Licensing:	Included license, Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Release

New Features

- Added support for new model DAQ973A.
- Added frequency domain measurements for DAQM909A digitizer module.

Resolved Issues

- Defects fix for usability and stability

BenchVue Data Acquisition 2019

Release Version:	2019
Released Date:	01 Jul 2019
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Licensing:	Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Release

New Features

- Added support for model 34980A.

Resolved Issues

- Defects fix for usability and stability

BenchVue Data Acquisition 2018 Update 1

Release Version:	2018.1
Released Date:	01 Nov 2018
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Licensing:	Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Update Release

New Features

- New supported model added – DAQ970A
- Built-In Computed Channel
- New capacitance function
- New Diode function
- New Strain function
- New 4-wire thermistor function
- New Unstrained reference measurement
- Set Voltage channel as reference for strain measurement
- Set Thermistor or RTD channel as reference for thermocouple measurement
- D/A current output for DAQM907
- Function Lock for D/A current and D/A voltage
- Voltage Readback for D/A current
- Current Readback for D/A voltage
- New scale function (PCT, DB, DBM)
- ACAL
- Able to Log Data to USB w/ or w/o Rows Limit Added support for model 34980A.
- New display types added:
  - D/A current output
  - Add Screen Image
  - Software Computed Channel Support N-Pass statistic measurement

Resolved Issues

- Defects fix for usability and stability

BenchVue Data Acquisition 2018

Release Version:	2018
Released Date:	16 Mar 2018
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Licensing:	Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Release

New Features

- Added new computed channels:
  - Polynomial
  - General Equation Editor
  - Statistic Measurement
- Pause/Resume Acquisition
- New Software alarms
  - Within Range
  - Stabilize
  - Destabilize
- New Export configurations
  - Auto Export
  - Export with data reduction
- Setup for Multiple graphics

Resolved Issues

- Defects fix for usability and stability

Initial Release

Release Version:	2017
Released Date:	29 Mar 2017
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Licensing:	Perpetual
Release Type	Major Release

New Features

- BenchVue Data Acquisition app now requires a license
- App includes Test Flow automation through the use of SCPI and Command Expert blocks
- Support for new license terms
- Gadget Improvements
  - Feature to show units on charts
  - Added X-Y chart gadget
  - Added gadgets for switches, digital read/write, analog slider
  - Increased max number of charts to 10
  - Increased max number of channels per chart to 40
  - Allows two Y-axes on strip chart
  - Changes to X-axis behavior on strip chart
  - Channel names visible on all charts
- Alarms Improvements
  - Color can be changed
  - Actions to send alerts or execute batch files
- Export Improvements
  - Auto-Export Data log File
  - Copy to Clipboard – gadget image or data
- Additional Features
  - All modules fully supported
  - Upload data while scan continues to run