

Keysight Technologies

Migrating to the Latest Keysight Software for Power Meters and Power Sensors

Migration Guide



Keysight's BenchVue Power Meter/Power Sensor Control and Analysis (BV0007B) is the next-generation software application for users that own Keysight's power meters and power sensors. The BV0007B BenchVue Power Meter/Sensor Control & Analysis app runs within the BenchVue Platform software. Many of the features that were popular in Keysight's Power Analysis Manager and Power Panel Software (N1918A) have been updated and included in the BV0007B app with more features and updates to come. The table on page 2 provides easy reference regarding which features are available, enhanced, and ready for you to use with the new Power Meter/Sensor app. Effortlessly, migrate from older Power Meter/Power Sensor software to the BV0007B app and start driving measurements to actionable insights faster today.

BenchVue Software

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. You will derive answers faster by easily viewing, logging and exporting measurement data and screen images with only a few clicks of your mouse. Dedicated instrument apps allow you to quickly configure the most commonly used measurements and setups for each instrument family. BenchVue apps provide extensive data, trace and measurement logging capabilities and automation with Test Flow. BenchVue supports hundreds of Keysight instrument types and models all from one easy to use application. With BenchVue, you get more from your instruments.

Test Flow Automation

Included with the Power Meter/Sensor app is BenchVue Test Flow which allows you to quickly build automated test sequences, send SCPI commands, and control multiple instruments. Gain deeper access to your power meter/sensor capabilities with Command Expert sequences integrated into Test Flow. The intuitive interface enables you to quickly create instrument test sequences significantly reducing test development time.

Conclusion

The next-generation software for power meter/sensor users is the BenchVue Power Meter/Sensor Control and Analysis app (BV0007B). Most users will be able to replace their older N1918A Power Analyzer software with the BV0007B app with little effort and get to actionable insights faster.

For additional details about Keysight's BenchVue Power Meter/Sensor Control and Analysis app software visit: www.keysight.com/find/benchvuePM

Keysight Software Features and Enhancements Comparisons

Functions	N1918A Power Panel Software (free version)	N1918A Power Analysis Manager (pay version)	BV0007B BenchVue Power Meter/Sensor Control and Analysis App
Measurement displays			
Soft panel (digital) display	Yes	Yes, enhanced with limits and alerts	Yes
Gauge (analog) display	Yes	Yes, enhanced with limits and alerts	Yes
Strip chart display	Yes	Yes	Yes
Trace graph display	Yes, with U2000 Series	Yes	Yes
Multiple tabs	No	Yes	Yes
Multiple displays per tab	Yes	Yes	Yes
Multi-list (List view of multiple channels)	Yes	Yes	Yes
Compact mode display	Yes	Yes, applies to soft panel, gauge and strip chart	Yes
Graph functions			
Single marker	Yes, up to 2 markers per graph	Yes, up to 10 markers per graph	Yes
Dual marker	Yes, with U2000 Series	Yes, up to 5 sets of markers per graph	Yes
Graph auto-scaling	Yes	Yes	Yes
Graph zooming	Yes	Yes	Yes
Measurement math delta and ratio	Yes	Yes	Yes
Pulse characterization functions			
15-point pulse characterization	Yes	Yes	Yes
Gate measurement analysis	Yes	Yes, 4 per trace graph	Yes
Overlay graph	Yes	Yes	Yes
Waveform math delta, sum, ratio	Yes	Yes	No
Statistical analysis function			
CCDF graph display	No	Yes	Yes
Save/load file functions			
Save/load project configuration	Yes	Yes	Yes
Save measurement data (with timestamp)	Yes, applies to strip chart displays; up to 10,000 data points	Yes, applies to strip chart, trace graph and CCDF graph displays	Yes
Load measurement data	Yes, applies to strip chart displays	Yes, applies to strip chart, trace graph and CCDF graph displays	Yes, in datalogging mode
Data recording (with timestamp)	No	Yes, applies to soft panel, gauge, strip chart and trace graph displays	Yes, (except for CCDF View)
Export to MATLAB file	No	No	Yes
Offline graph viewer	No	No	Yes, with the data logging view
Save instrument screen image	Yes, with P-Series power meters	Yes, with P-Series power meters	Yes
Limit and alert functions			
Limit and alert notifications	No	Yes	Yes
Alert summary	No	Yes	Yes
Instrument setting options			
Save/restore instrument settings	Yes	Yes	Yes
Timed-gated measurements	Yes	Yes	Yes
Instrument preset settings	Yes	Yes	Yes
FDO table parameters	Yes	Yes	Yes
Supporting function			
Print application screen	Yes	Yes	Yes
Test Flow functions			
Send SCPI commands manually	No	No	Yes