

VirtualBench



VirtualBench is an all-in-one instrument that integrates with your PC or iPad. It combines a mixed-signal oscilloscope, a function generator, a digital multimeter, a DC power supply, and digital I/O into a single device.

VirtualBench: Radically Practical

Reduce Clutter and Save Space

VirtualBench is small enough that you can create a complete electronics workbench on your desk and portable enough that you can take your instrumentation to your project rather than taking your project to the lab. You can also connect wirelessly and detach your display, which gives you more flexibility on your bench.

An Intuitive Software Experience

VirtualBench consolidates the user interface for each instrument into one consistent experience so you can view and interact with everything all at once. Simplify your task and reduce time in cumbersome menus by using your mouse and scroll wheel on a PC or fingers to pinch and zoom on your iPad.

Designed to Make Your Life Easier

The simplification and increased capability through software open the doors for more efficient circuit design debugging and validation. Be assured you always get the best experience with free app updates and the ability to automate with ease.



Apps for iPad
and Windows

7.5 x 10 x 2.9 in.
Footprint

USB and WiFi
Connectivity



Mixed-Signal Oscilloscope

- 100 MHz bandwidth
- Up to 1 GS/s sample rate
- 2 analog channels, 34 digital channels

Function Generator

- 1 channel
- 20 MHz (sine)
- Waveform types: sine, square, ramp, arbitrary*

*When used with LabVIEW

Digital I/O*

- 8 bidirectional digital I/O channels
- 5 VTTL/CMOS compatibility

*Digital I/O not available for iPad

DC Power Supply

- 3 channels with variable current/voltage (+6 V@1 A, +25 V@0.5 A, -25 V@0.5 A)

Digital Multimeter

- 5½-digit resolution
- 300 V maximum input voltage, 10 A maximum input current

NI Global Services and Support

The addition of a service program helps reduce total cost of ownership, minimize downtime, ensure measurement accuracy, and guarantee application longevity. Service entitlements for VirtualBench include:

Product Warranty and Repair

NI provides you with the power to choose a warranty and repair plan that meets your needs. VirtualBench includes a one-year warranty, or you can choose to extend your plan to three or five years.

Calibration

Leverage NI's calibration services to quantify and improve the measurement performance of your instrument over time.

Getting Started Assistance

Take advantage of 30-day getting started assistance from an NI engineer to help you get your project started faster.

Learn more at ni.com/services.

Technical Support

NI provides superior worldwide technical resources. Visit ni.com/support and ni.com/zone to access volumes of self-help technical information including these options:

- Application tips and tutorials
- Example programs and frequently asked questions
- Troubleshooting wizards, user forums, and developer communities

For those who have software maintenance memberships or volume license agreements, qualified NI applications engineers are available for technical support directly via email or phone.

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