



RIGOL
Beyond Measure

EDUCATION SOLUTIONS FROM RIGOL



Unprecedented Value for Education

Giving your students as much hands-on practical experience with current technologies is the goal of every educator. But the high cost of Test and Measurement equipment often forces compromises either in the **quantity** of equipment provided in the lab or the **quality** of the equipment. Budget realities often force choices with feature/model compromises or lead to using instruments beyond their useful life. Rigol provides our customers in the education segment the ability to avoid compromises. With our outstanding performance, quality, and advanced analysis capabilities your students will get to work with the very best equipment available in the market. Combine our advanced capabilities with our amazingly low price points and you will find that Rigol delivers **Unprecedented Value** to our customers who are creating the engineers and technicians for the next generation.

The Rigol RF Portfolio for Education

Cost Effective Solution for RF Lab

Whether teaching basic RF theory or more advanced application topics like wireless communications, RF component characterization or transmitter/receiver interoperability, having a complete set of advanced RF test gear is critical to enhancing a student's understanding. The Rigol portfolio provides you all the advanced tools you need at a price that allows you to multiply the number of stations available.



DSG3000 Series RF Signal Source

- Frequency Range: 9kHz – 3, 6GHz
- Amplitude range:
-130 dBm to +13dBm
- Phase Noise: -110dBc/Hz @20kHz
- AM/FM/ØM and Pulse Modulation
- Internal IQ Modulation Available
- High Stability OCXO Reference Available

Starting at: \$7,220
Compare vs Agilent N9310A



DSA800 Series RF Spectrum Analyzer

- Frequency Range:
9kHz – 1.5, 3.2, 7.5GHz
- Typ DANL with PA (normalized to 1Hz):
DSA815: -155dBm
DSA832/875: -161dBm
- Resolution BW:
DSA815: 100Hz
DSA832/875: 10Hz
- Phase Noise @ 10kHz offset:
DSA815: -80dBc/Hz
DSA832/875: -98dBc/Hz
- Tracking Generator Available

Starting at: \$1,295
Compare vs Agilent N9320A



TX1000/RX1000 RF Training Boards

Simply and effectively setup experiments and lab exercises to test

- Spectrum Analyzer Function
- Filter Characteristics
- Amplifier Performance
- Mixer Characteristics
- Transmission Loss and more

Price: \$1804 for both
Compare vs Agilent N9320B-TR1

The Advanced Education Bench

No compromise solutions to help teach next generation electronics principles

Engineering students need access to advanced instrumentation for both theoretical instruction on electronic principles and hands-on lab experimentation. With Rigol's industry leading performance, combined with unprecedented pricing you can easily equip your students to meet the design challenges of today and tomorrow. Whether you need an Oscilloscope, a Waveform Generator, a Power Supply or a DMM, Rigol has you covered with a suite of products specifically developed to meet the needs of educational labs and engineering curriculum.



**DS1000Z Series
Digital Oscilloscopes**

Models are available at 50MHz through 100MHz, with 1GS/Sec Sampling, up to 24MPts of memory and a Multi-Level Intensity Graded, 7" WVGA display. The **DS1000Z** Series of Digital Oscilloscopes is the perfect choice for educators needing an advanced analysis oscilloscope. Available options like 16 channel logic analysis, serial decode and an integrated 2 channel source make this a powerful analysis tool.

Models starting at just \$399
Compare vs Tek DS02000 and Agilent DSOX2000A



**DG1000Z Series
Arbitrary Waveform Generator**

The **DG1000Z** is ideal for applications requiring high signal fidelity, low noise floor and long arbitrary waveform length. The 2 channel DG1000Z series features memory depth of 8Mpts (16 Mpts optional) to facilitate deeper, more intricate arbitrary waveforms and includes up to 160 built-in waveforms as well as a wide range of modulations. With models at 30 and 60MHz and a >70% price performance advantage the Rigol DG1000Z series is the obvious choice for Students and Educators needing a powerful yet affordable waveform generator.

Models starting at just \$680
Compare vs Tek AFG3000 and Agilent 33500B



**DP800 Series
Programmable Power Supplies**

The **DP800** Series Power Supplies combine the ability to source, analyze, and coordinate over time. The **DP832** has two 30 V channels and one 5 V channel, all capable of 3 Amps. With one channel isolated users can reconfigure instruments into any number of systems or applications. Built in V, A, and W measurements make power monitoring easy and additional wave tracking, timing, and analysis features means there are even more ways to use the power supplies.

Models starting at just \$450
Compare vs Agilent E3633A



**DM3000 Series
Digital Multimeter**

The Model **DM3058E** DMM gives reliable, cost effective, full DMM capabilities measuring DCV, ACV, DCI, ACI, Resistance (2 & 4 Wire), Capacitance, Diode Test, Frequency, and Temperature. These DMMs are designed for simple and efficient bench top use, but include software options for datalogging and remote programming from almost any interface. The DM3058E is the perfect choice for engineering labs.

Models starting at just \$469
Compare vs Tek DMM4020 and Agilent 34450A

Ask your Rigol sales person about our education discount program

Connect. Explore. Share. Learn.



Connect to Rigol instruments with the ease and capability of a modern computing platform. Control and capture data from a PC using USB or Ethernet as the bus of choice. Many instruments also offer GPIB as well.



Explore Rigol instruments from the rugged front panel or from your PC. All our instruments support UltraSigma communication software. UltraSigma is the command center for everything from screenshots to custom commands to launching instrument specific advanced software. Check out our instrument specific examples for using instruments with anything from Microsoft Excel to LabVIEW. Most instruments have IVI drivers to interface with a variety of software packages.



Share experiment data with professors and class mates by saving instrument screen shots or data to USB sticks to easily add to professional lab reports.



Learn Rigol's instruments provide **Unprecedented Value** to schools and students by making commercial quality electronic measurement instruments more attainable than ever before. Through hands-on experience with modern test and measurement tools your graduates will be better prepared to design, build and deploy the technical innovations of tomorrow.



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