Tektronix®

KEITHLEY
A Tektronix Company

Own the future.

We may not know the future, but we know the people who will get us there.

Give them every advantage with Tektronix and Keithley world-class test and measurement solutions.

Recommended Education Bench Configurations

Start with one of these three configurations to create the bench best suited for your students.

Fundamental Teaching Lab

Prepare future engineers for tomorrow's exciting challenges with an affordable yet powerful suite of entry level test equipment. This bench configuration includes the hardware, software and service components you'll need to give your students the engineering fundamentals they need.

Contact for pricing ›

NEW! 1 **TBS2000B Oscilloscope**
Compatible passive probes included (one per channel).

2 **DMM6500 Digital Multimeter**

3 **2231A-30-3 Power Supply**

4 **AFG1062 Arbitrary Function Generator**

TekSmartLab™

Total Product Protection

Electronics Engineering Lab

With the advancements of electronic design, design and implementation skills have particular emphasis on analog and mixed-signal circuits, serial bus decoding, power management, wireless communications and rapid prototyping. This configuration provides students with the instruments to help them learn real world applications.

Contact for pricing ›

NEW! 1 **3 Series MDO Oscilloscope**
Compatible passive probes included (one per channel).

2 **TCP0030A Current Probe**

3 **DMM6500 Digital Multimeter**

4 **2231A-30-3 Power Supply**

5 **AFG31000 Arbitrary Function Generator**

Total Product Protection

Next-Generation RF/Wireless Lab

With the rapid evolution of wireless technologies and the complexity of IoT designs, your students need modern bench equipment that will prepare them to succeed in the real world. This bench configuation includes components you'll need to enable your students to learn challenging designs with total confidence.

Contact for pricing ›

NEW! 1 **3 Series MDO Oscilloscope**
Compatible passive probes included (one per channel).

2 **2450 Source Measure Unit**

3 **2280S Power Supply**

4 **AFG31000**
Arbitrary Function Generator

5 **RSA306B USB Signal Analyzer**

6 **TTR500**
USB Vector Network Analyzer

7 **TSG4100**
Vector Signal Generator

Kickstart Software

SignalVu-PC Software

Total Product Protection

Make sure your students and the world's future engineers have the right tools for today and tomorrow.

Save with Education Pricing Program

We've made it easy for schools and universities to equip their engineering labs with world-class test and measurement equipment at an affordable price.

Qualified schools enjoy a 15% discount off all products.

Educators Save 15%

Recommended Bench Product Descriptions

These products were chosen to meet the unique needs of the education lab.

Oscilloscopes

3 Series MDO Oscilloscope › NEW!
With a touchscreen interface and built-in spectrum analyzer option, this scope is perfect for the student RF analysis lab.
Compatible passive probes included (one per channel).

TBS2000B Oscilloscope › NEW!
Featuring bandwidths up to 200 MHz and 4-channels, familiar, easy to use controls, context sensitive help system and a standard 5-year warranty. Perfect for the beginning engineering lab.
Compatible passive probes included (one per channel).

Probes

TCP0030A Current Probe ›
You can use the TCP0030A current probe to make accurate measurements from DC to 120 MHz. The probe combines proven Hall-effect technology with the Tektronix TekVPI® oscilloscope interface.

Digital Multimeters

DMM6500 Digital Multimeter ›
Leading touchscreen bench DMM with built-in premium features for the education lab.

Power Supplies

2231A-30-3 Power Supply ›
Multi-channel programmable DC power supply ideal for testing a wide range of devices in the education lab.

2280S Power Supply ›
Delivers up to 192W of low output noise power and superior load current measurement sensitivity. Built-in plotting functions offers plenty of versatility for your education bench.

Arbitrary Function Generator

AFG1062 Arbitrary Function Generator ›
A building block for an education bench solution, this AFG generates all of the waveforms needed for a teaching lab.

AFG31000 Arbitrary Function Generator ›
A high-performance AFG with built-in arbitrary waveform generation, real-time waveform monitoring, and the largest touchscreen on the market. Perfect for the modern teaching lab.

Source Measure Units

2450 Source Measure Unit ›
Simultaneously sources and measures current. The touchscreen interface minimizes the learning curve and enables students and to learn faster, work smarter, and invent easier.

USB Signal Analyzers

RSA306B USB Signal Analyzer ›
This affordable RSA enables students to capture results of experiments, perform analysis, and generate lab reports on their laptops, saving time and optimizing learning opportunities.

USB Vector Network Analyzer

TTR500 USB Vector Network Analyzer ›
A full-featured 2-port, 2-path VNA at a breakthrough price. Now students can validate S-parameters of real-world RF designs for comparisons against simulations.

Vector Signal Generators

TSG4100 Vector Signal Generator ›
Generates a variety of RF signals starting from true DC up to 6 GHz, with up to 200 MHz modulation bandwidth, the TSG4100 offers mid-range RF performance, ideally suited for the engineering student.

Software and Service

TekSmartLab™ ›
Manage your lab with ease using TekSmartLab, a network-based lab instrument management solution for quickly setting up and efficiently managing basic electronics in engineering laboratories at colleges and universities.

SignalVu-PC Software ›
Used with Tektronix spectrum analyzers and oscilloscopes to help students and professors validate RF/Wireless designs directly from their own computer.

Kickstart Software ›
KickStart simplifies what you need to know about the instrument so that in just minutes you can take the instrument out of the box and get real data on your device.

Total Product Protection ›
Protect your investment with a complete service plan providing coverage for all of your test and measurement lab equipment.

To learn more about recommended bench configurations, click the product links or visit:
Tek.com/education

Temple University's IDEAS Hub

The Challenge:

Temple University's engineering program was growing quickly, and its students had lots of hands-on homework to do but limited access to the tools and equipment they needed.

The Solution:

Temple partnered with Tektronix to determine which test and measurement equipment would give their students the tools they needed to have an advantage over other engineering graduates entering the workforce.

"I think it's important to have the latest technology because engineering is always growing. So if we're up to the latest standard then we can better ourselves when we get into the actual field."

Temple University Mechanical Engineering Student

Queensboro Community College

The Challenge:

Queensboro Community College's electronic engineering program was limited by lack of equipment for its radio frequency courses. They needed to find a way to provide students with essential hands-on learning opportunities with modern instruments.

The Solution:

Tektronix partnered with QCC to deliver a cost effective yet cutting-edge RF bench solution that gives students the tools and experience they need to have an advantage over other engineering graduates entering the workforce.

"I'm so proud of the lab because it gives us the opportunity to teach the physical aspects of radio frequency that cannot be taught with simulation."

Enrique Haro
Adjunct Instructor and Telecommunications Course Director

The top **25** engineering & tech universities trust their programs and their students' futures to Tektronix

After **70+** years of innovation

Tek continues to plow nearly 20% of our product revenue right back into R&D to create tools that will help tomorrow's engineers take the world further, faster.

To learn more about empowering your students with Tek, visit:

Tek.com/education

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