

# Rigol for Education



## Modernise Your Electronics Teaching Lab

At Lambda Photometrics, we understand the critical role advanced instruments play in teaching future engineers. For over 45 years, we have partnered with university research and teaching labs, delivering industry-leading performance and value to help institutions provide both theoretical instruction and hands-on experimentation. Equip your students to tackle today's and tomorrow's design challenges with ease.

Whether it's an Oscilloscope, Spectrum Analyser, Waveform Generator, Power Supply, or Digital Multimeter (DMM), our comprehensive product suite meets the rigorous demands of engineering curriculums.

We offer tailored education deals for single units or complete lab setups, ensuring your teaching lab has the tools it needs to inspire the next generation of innovators.

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## 1st Year Teaching Lab

Designed for high-enrolment undergraduate teaching and core circuit fundamentals.

**Teaching Focus:** High-resolution visualisation for fundamental signals in a slim, portable format. Perfect for labs requiring high volume without the "industrial" price tag.

**Total bench price from £884.**

### DG800 Pro Arbitrary Waveform Generator

- 16 bit vertical resolution on all models
- Up to 8 Mpts/CH arbitrary waveform length
- 25MHz to 50MHz frequency ranges
- 7" colour touch screen and compact chassis
- Includes an integrated harmonic generator and 1 GHz frequency counter
- 625 MSa/s sample rate
- 3 ns rise time
- VESA mount to free up bench space
- **Starting from £305**

### DM858E Digital Multimeter

- 5½ digit resolution
- 80 rdgs/s measurement speed
- 200,000 points logging memory
- 11 measurement functions
- 7" colour touch screen display
- Trend chart, histogram and bar table visual display options
- **Starting from £266**

### DHO800 Oscilloscope

- 12 bit high resolution for high speed, high accuracy applications
- 70MHz to 100MHz
- 1.25 GSa/sec sampling
- 25 MPts memory depth
- 2 or 4 analog channels
- 12-bit resolution
- 7" display, 1,000,000 wfms/s waveform capture rate
- **Starting from £313**

## 2nd Year Teaching Lab

Optimised for senior design projects, power electronics, and post-graduate R&D.

**Teaching Focus:** Provides the bandwidth and logic analysis (MSO) required for embedded systems, power analysis, and complex senior capstone projects.

**Total bench price from £1,300.**

### DHO900 Oscilloscope

- Analogue channel bandwidth: 125 - 250MHz
- 4 analogue channels, 16 digital channels
- 12-bit vertical resolution
- Single channel 25MHz arbitrary function generator (AFG)
- Integrates the AFG function, bode plot analysis, histogram, digital signal analysis
- Parallel, RS232/UART, I2C, SPI, LIN and CAN decode installed as standard
- Real-time sample rate up to 1.25 GSa/s
- Memory depth up to 50 Mpts
- **Starting from £454**

### DM858 Digital Multimeter

- Compact and capable benchtop 5.5 digit DMM with 7" touch display
- 5½ digits readings resolution
- Up to 125 rdgs/s measurement speed
- Up to 500,000 points logging memory
- Measures 11 input signals
- Trend chart, histogram and bar table visual display options
- **Starting from £344**

### DG900 Pro Arbitrary Waveform Generator

- 150 MHz
- 2 Channel
- 1.25 GSa/s Sample rate
- 16 Bit vertical resolution
- 16M (32M opt.) memory depth
- Built-in high-order harmonic generator (max. 20th order)
- **Starting from £502**

## Advanced Post-Graduate Research Bench

Optimised for power integrity, high-speed embedded systems and professional R&D.

**Teaching & Research Focus:** Provides the high sample rate and ultra-deep memory required for postgraduate research.

**Total bench price from £2,539.**

### MSO5000 Oscilloscope

- 8-bit resolution for high speed, high accuracy applications
- 70MHz to 350MHz
- 8 GSa/sec sampling
- 100 MPts memory depth
- 4 analog channels, optional 16 digital logic channels
- 7" display, 1,000,000 wfms/s waveform capture rate
- Embedded serial bus trigger & analysis (I2C, SPI), (CAN, LIN) (MIL-STD-1553), (I2S)
- Advanced FFT, BODE plot, power analysis
- **Starting From £705**

### DM858 Digital Multimeter

- Compact and capable benchtop 5.5 digit DMM with 7" touch display
- 5½ digits readings resolution
- Up to 125 rdgs/s measurement speed
- Up to 500,000 points logging memory
- Measures 11 input signals
- Trend chart, histogram and bar table visual display options
- **Starting from £344**

### DG5000 Pro Arbitrary

#### Waveform Generator

- 16-bit vertical resolution on all models
- 64 Mpts/CH arbitrary waveform length
- 250MHz frequency range
- 7" colour touchscreen and compact chassis
- Function generator, arbitrary waveform generator, noise generator, pulse generator, harmonic generator (20th) and analog/digital modulator
- I-Q, multi-pulse, sequence modulation,
- **Starting from £1,175**

### DP900 Benchtop Power Supply

- DC power supply with three isolated independent output channels (+32V / 3A, +32V / 3A, +6V / 3A, DC)
- Max 210W.
- Internal series/parallel connections for CH1 and CH2
- University classed safety sockets
- 10 mV/1 mA (upgradable) resolution
- USB device, USB host, LAN digital IO (optional)
- **Starting from £315**

## Why upgrade?

- **Signal Clarity:** The shift from 8-bit to 12-bit vertical resolution allows students to distinguish between actual signal noise and hardware quantisation. They see the signals as they exist in theory, not through the "fuzz" of old technology.
- **Bench Space Efficiency:** Traditional benches are cluttered. These units feature an 80mm depth and are VESA-mount compatible, reclaiming up to 60% of workstation space for PCBs and textbooks.
- **Application-Ready Career Prep:** Rigol facilitates hands-on experience with modern design challenges—from Bode plot analysis in control systems to Mixed Signal (MSO) debugging in IoT devices. Students graduate proficient in the high-precision workflows currently used in professional aerospace, medical and automotive R&D.
- **Immediate ROI:** Standardising on a unified ecosystem simplifies lab maintenance and reduces the learning curve for staff. Combined with the **10% Lambda Educational Discount**, this setup provides professional-grade specs at an entry-level price point.

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# Test & Measurement

## EVERBEING

**EverBeing Probing Solutions** offer performance DC, RF, mmWave and photonic probe stations to match your budget and needs. We offer standard or customer-built probe stations from 2" to 8" and a large inventory of probing accessories, precision micropositioners and microscopes. From wafer, cryogenic, LED/LD/PD, RF, LCD, hall effect probe stations.

## FAITH TECHNOLOGIES

**FaithTech**, established in 2002, is a world-leading manufacturer of energy electronic testing equipment, providing precise and reliable solutions for the electronic, electrical and green energy sectors. Recognised as a National High-tech Innovation Enterprise and holding multiple certifications including ISO 9001:2000, CE and ROHS, FaithTech integrates R&D, production and marketing to deliver high-quality products.

## GGB INDUSTRIES

**GGB Industries'** Picoprobe® line of DC to microwave probes have been the first choice for the semiconductor industry. With a line of high impedance troubleshooting probes, precision coaxial microwave probes with 50 ohm coplanar flexible tips and high performance W-band millimetre heads.

## GOGO INSTRUMENTS TECHNOLOGY

**GoGo Instruments Technology (Shanghai) Co., Ltd.** specialises in high-precision in-situ measurement and thermal control technologies, including extreme heating and cooling systems. The company develops and integrates advanced testing systems combining mechanical, electrical, and optical measurement capabilities, while also providing professional technical services.

## HAROGIC TECHNOLOGIES

**Harogic Technologies** offer a range of ultra-portable, high performance real-time spectrum analysers up to 40GHz and 100MHz IF. Harogic offer handheld, USB3.0 & LAN models or bare OEM modules for system integrators. Free software and comprehensive API programming.

## IWATSU ELECTRIC CO LTD

**IWATSU Electric** offer a wide range of Curve Tracers and parametric testers for the semiconductor industry. Their advanced equipment features a SMU up to 10kV and 2 kA, with support for pulse output, gate pattern control, and fA measurement. Ideal for wide-bandgap devices such as SiC and GaN.

## RIGOL TECHNOLOGIES

**RIGOL Technologies** are one of the fastest growing global test & measurement suppliers, offering high quality, high specification alternatives to leading brands. RIGOL's premium line of products includes oscilloscopes up to 5 GHz, RF spectrum analysers, DMM's, function/arbitrary waveform generators, RF signal generators to 13 GHz, DC PSU/electronic loads. Their price advantage helps engineers, researchers and teaching labs address their measurement challenges and budget.

## SALEAE

**Saleae** logic analysers are used by electrical engineers and firmware developers to record, measure and debug signals in electrical circuits. Used by Tesla, SpaceX, Apple, Google and many more, to capture and share data between engineers globally. Recording both analogue and digital channels simultaneously, allows quicker and more detailed testing than a traditional MSO oscilloscope.

## SENSEPEEK

**Sensepeek**, had a vision to revolutionise technology that has not reached its fully potential, a vision to keep everything as simple as possible to ensure a great user experience. Sensepeek developed the PCBite range of PCB holders and test leads that are both simple, robust and affordable, just what every engineer has been looking for. The magnetic mirrored base plate allows visual inspection of the board under test, the holders quickly and precisely hold a PCB of any size and shape in place and the probes allow for accurate placement of the test lead.

## STANFORD RESEARCH SYSTEMS

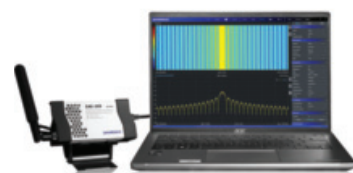
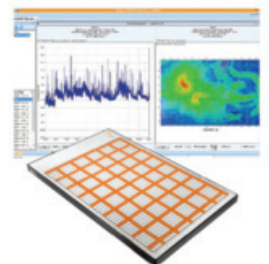
**Stanford Research Systems (SRS)** have 40 years of history designing and manufacturing scientific, analytical, and engineering test equipment for research and industrial applications. Products include lock-in amplifiers, pulse/delay generators, atomic clocks, mass spectrometers, vacuum and gas analysers, lasers and laser diode controllers, signal sources and signal analysers. Lambda Photometrics is the sole UK distributor with over 30 years sales and service experience of the SRS product range.

## TABOR ELECTRONICS

**Tabor Electronics** have become a world-leading provider of high-end, multi-channel signal sources, featuring: RF, function and arbitrary waveform generators and transceivers. High-voltage and signal amplifiers. Tabor has earned global recognition for its innovative engineering capabilities in aerospace & defence, wireless communications, quantum physics and NMR.

## Y.I.C. TECHNOLOGIES

**Y.I.C. Technologies** is a leading developer of Visual Real Time EMC/EMI pre-compliance and RF antenna characterisation solutions for antenna and PCB PCB designers, integration and verification engineers. Their products rapidly diagnose and solve EMC/EMI problems in real-time, reduce time to market and pass product certification first time.



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