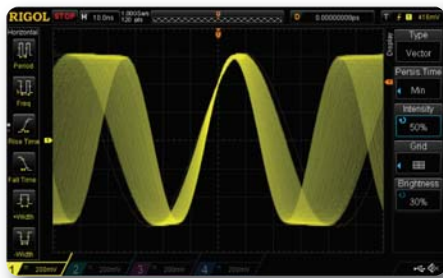
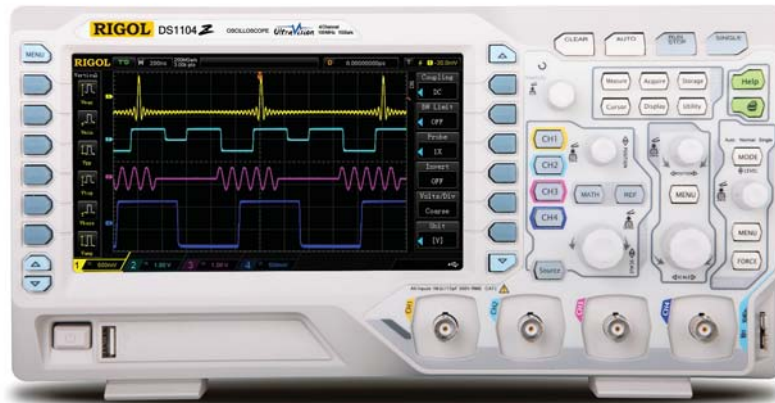
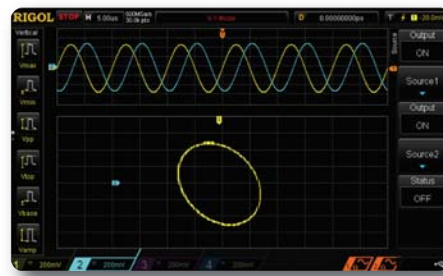


Rigol's New DS-1000Z Series - Breakthrough Price and Performance in 4 Channel DSOs



UltraVision Multi-Level Intensity Grading Display



In-Built 2 CH 25MHz Signal Source (DS-1000Z-S)

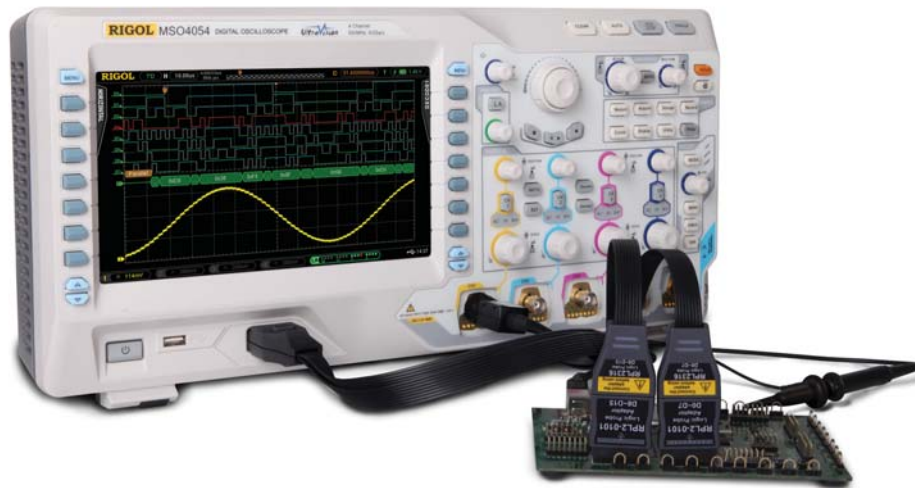
Rigol's new DS-1000Z series represent a remarkable breakthrough in price and performance in general purpose 4 channel digital storage oscilloscopes. Featuring Rigol's popular UltraVision multi-level intensity grading display, deep 12Mpts standard memory, fast 30,000 wfms waveform capture rate and optional serial bus triggering, the DS-1000Z series brings 4 channel oscilloscopes within reach of every service department and educational laboratory.

The DS-1000Z-S versions also include a 2 channel 25MHz waveform generator. Other powerful options include 24Mpts memory depth, real time waveform record, replay and analysis, serial bus triggering and advanced triggering packages.

- ▶ 100MHz, 70MHz bandwidth, 4 channels
- ▶ 1GS/s real-time sample rate
- ▶ 12Mpts standard and 24Mpts optional memory depth
- ▶ UltraVision multi-level intensity grading display
- ▶ Up to 30,000 wfms/s waveform capture rate
- ▶ Up to 60,000 frames real-time waveform recording option
- ▶ Low noise floor, dynamic range: 1mV/div to 10V/div
- ▶ Optional serial bus triggering and decoding (RS232, I2C, SPI)
- ▶ In-built 2 channel 25MHz waveform generator (DS-1000Z-S)
- ▶ Complete connectivity: LAN (LXI Core device 2011), USB host & device, AUX, USB-GPIB optional
- ▶ 7 inch WVGA (800x480) display with multiple intensity level waveform display

DS-1074Z	70MHz, 4CH, 1GS/s, 12Mpts Memory	\$654 ex GST
DS-1074Z-S	70MHz, 4CH, 1GS/s, 12Mpts Memory, In-Built 2CH, 25MHz Waveform Generator	\$914 ex GST
DS-1104Z	100MHz, 4CH, 1GS/s, 12Mpts Memory	\$834 ex GST
DS-1104Z-S	100MHz, 4CH, 1GS/s, 12Mpts Memory, In-Built 2CH, 25MHz Waveform Generator	\$1,093 ex GST

Rigol MSO4000 Series Mixed Signal Oscilloscopes



The MSO4000 series builds on Rigol's popular DSO4000 series with the addition of 16 digital channels to provide a sophisticated yet affordable mixed signal oscilloscope solution. The series includes 100, 200, 350, 500 MHz bandwidth models with 4 GSa/s sample rate in analog channels and 1 GS/s sample rate in digital channels (MSO). Memory depth is 140 Mpts in analog channels and 28 Mpts in digital channels (MSO). Units are available in 2 or 4 analog channels and 16 digital channels. The series offers 110,000 wfms/s capture rate and a 200,000 frames real-time waveform record and analyser.

- ▶ Bandwidth 500MHz, 350MHz, 200MHz, 100MHz
- ▶ Sample Rate up to 4 GSa/s
- ▶ Standard Memory depth up to 140 Mpts
- ▶ 2 or 4 Analog channels
- ▶ Waveform capture rate Up to 110,000 wfms/s
- ▶ Real Time Waveform Record, Replay & Analysis (Std. up to 200,000 frames)
- ▶ Lower noise floor, the Min. vertical sensitivity is 1mV/div
- ▶ UltraVision 256 level intensity grading display
- ▶ Support serial bus trigger(Std.) and decoding(Opt.) for both analog and digital channels
- ▶ Complete Connectivity: USB Host& Device, LAN(LXI-C), VGA, AUX, USB-GPIB(Opt.)
- ▶ 9 inch WVGA(800X480) display

MSO Features

- ▶ 16 Digital channels
- ▶ Sample rate of Digital channel up to 1 GSa/s
- ▶ Memory depth of Digital channel up to 28Mpts per channel
- ▶ Waveform capture rate of Digital channel up to 85,000wfms/s
- ▶ Real Time Waveform Record, Replay and analysis functions, up to 64,000 frames
- ▶ Triggering and Decoding across Analog & Digital channels
- ▶ Easy grouping and labelling of digital channels
- ▶ Support a variety of logic levels
- ▶ Time correlation display for both analog and digital signals

Rigol MSO4000 Series

Call For Pricing

GW Multiple Output DC Linear Supplies



GW's popular GPS-Series are 2-4 channel, 180 to 200W output, linear DC power supplies. Overload and reverse polarity protection, and an output on/off switch keep the GPS-Series and their load safe from unexpected conditions.

- ▶ 4 Independent Isolated Outputs
- ▶ Four "3 Digits" LED Displays
- ▶ 0.01% Load and Line Regulation
- ▶ Low Ripple and Noise
- ▶ Tracking Operation and Auto Series/Parallel Operation
- ▶ Output Voltage and Current Setting When Output Disable
- ▶ Fan Speed Control Circuit to Minimize Fan Noise
- ▶ Over Load and Reverse Polarity Protection

GPS-4303 200W, 4 Ch	\$448 ex GST
GPS-3303 195W, 3 Ch	\$415 ex GST
GPS-2303 180W, 2 Ch	\$367 ex GST

Differential Probes



- ▶ Safely make high-voltage measurements on floating circuits
- ▶ GDP-025 & GDP-050 1,400V & GDP-100 7,000V differential voltage

GW GDP-025 25MHz	\$260 ex GST
GW GDP-050 50MHz	\$460 ex GST
GW GDP-100 100MHz	\$590 ex GST

3GHz/6GHz RF Signal Generators



The DSG3000 series are high-performance 3GHz and 6GHz RF signal generators. The series provides comprehensive modulation solutions such as: pulse modulation with customizable pulse train, I/Q modulation and baseband output optional, and standard AM/FM/ΦM analog modulation.

All modulation schemes support internal and external modulation sources. In addition, to meet the demands of production environments, the DSG3000 is designed to be both highly stable and reliable. The DSG3000 series also features a clear user interface, small size and light weight. It is easy to operate and can output stable, precise and pure signals. It is an ideal tool for various fields such as communication, computers, instrumentation, R&D, education, production.



9kHz- 3GHz or 6GHz
+25dBm to -140dBm



Internal modulation,
External modulation



Frequency sweep,
Amplitude sweep,
Frequency and
amplitude sweep



Internal modulation,
External modulation,
Pulse train generator
Pulse generator



Sine, Square, Triangle,
Ramp, Sweep-Sine



Internal modulation
External modulation



Power meter controller,
test system automatic
calibration



Internal modulation
External modulation
I/Q baseband generator
Baseband output

- ▶ Maximum frequency
 - DSG-3030 9kHz - 3 GHz
 - DSG-3060 9kHz - 6 GHz
- ▶ Amplitude accuracy: <0.5dB (typical)
- ▶ Output amplitude range: -130 dBm to +13 dBm
- ▶ High signal purity, phase noise: <-110dBc/Hz@20kHz (typical)
- ▶ Standard 0.5ppm internal clock; 5ppb high stable clock for option
- ▶ Standard AM/FM/ΦM analog modulation
- ▶ Standard pulse modulation; on/off ratio up to 80dB; pulse train generator (optional)
- ▶ I/Q modulation and baseband output optional
- ▶ All modulation schemes support internal and external modulation modes
- ▶ Standard 2U height design to save rack space. Rack mount kit is available
- ▶ Standard USB/LAN/GPIB remote control interfaces. SCPI command set for remote control
- ▶ Electronic attenuator design
- ▶ Automatic flatness calibration function (Cables, attenuators, amplifiers and so on) for test systems with power meter control

DSG-3030 9kHz - 3GHz RF Generator
DSG-3060 9kHz - 6GHz RF Generator

\$7,588 ex GST
\$10,903 ex GST

Function/Arbitrary Generators



DG1000Z series function/arbitrary waveform generators are multifunction generators that combine many functions in one, including Function Generator, Arbitrary Waveform Generator, Noise Generator, Pulse Generator, Harmonics Generator, Analog/Digital Modulator and Counter.

As multifunction, high performance and portable generators, the DG1000Z series are ideal for a variety of applications including education, R&D, production, testing and so on.

- ▶ Innovative SiFi (Signal Fidelity): generate arb waveform point-by-point, precisely adjustable sample rate and low jitter (200ps)
- ▶ Arbitrary waveform memory: 8Mpts (standard), 16Mpts (optional)
- ▶ Standard 2 full functional channels can be used as two independent generators
- ▶ ±1ppm frequency stability, -125dBc/Hz phase noise
- ▶ Built-in 8 orders harmonics generator
- ▶ Built-in 7 digits/s full function frequency counter with 200MHz bandwidth
- ▶ Up to 160 built-in waveforms
- ▶ 200MS/s sample rate, 14bits vertical resolution
- ▶ Convenient arbitrary waveform editing interface
- ▶ Versatile modulation types: AM, FM, PM, ASK, FSK, PSK and PWM
- ▶ Standard waveform summing function
- ▶ Standard channel track function
- ▶ Standard interfaces: USB Host & Device, LAN(LXI Core Device 2011)
- ▶ 3.5 inch TFT colour display

DG-1032Z 30MHz Call For Pricing
DG-1062Z 60MHz Call For Pricing

Affordable 1.5GHz Spectrum Analyser



Rigol Technologies have broken the price barrier on spectrum analysers with the new DSA-815, easily Australia's lowest price 1.5GHz spectrum analyser!

- ▶ Frequency Range 9kHz – 1.5GHz
- ▶ Resolution Bandwidth 100Hz minimum
- ▶ Display 8-inch TFT LCD colour; 800 x 480 pixel resolution
- ▶ PreAmp & AM/FM Demodulation Standard
- ▶ Options:
 - Tracking Generator
 - EMI Filter & Quasi Peak Detector
 - VSWR Measurement Kit
- ▶ Supports communication with PC and remote control via: LAN, USB and GPIB (opt)

DSA-815 1.5GHz Spectrum Analyser \$1,523 ex GST
 DSA-815-TG With Tracking Generator \$1,681 ex GST

Next Generation Laboratory Power Supply

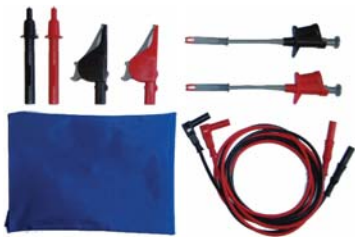


The DP-832 is a next generation designed power supply. Its ease of use is what sets it apart from traditional power supply layouts. Users simply input the required output settings using the intuitive graphical user interface.

- ▶ 3 Outputs; total power up to 195W
- ▶ Low Ripple Noise <350 uVrms/2mVpp
- ▶ Fast transient response time: <50 us
- ▶ Channel isolation: CH1 || CH2, CH3
- ▶ OVP/OC/OTP protection functions
- ▶ Built in V, A, W measurements and waveform display
- ▶ Support for output Delay, Analysis, Monitor, and Preset functions
- ▶ 3.5 inch FTF Display
- ▶ Connectivity including USB Host & Device, LAN, and Digital IO

Rigol DP-832 3 Output DC Power Supply \$494 ex GST

Professional Multimeter Test Lead Kit



Professional, European made deluxe DMM accessories kit with everything that you need for everyday electrical work. Enclosed in a sturdy zippered pouch and supplied with one of each black and red components.

- ▶ 4mm probes, 1kV, CAT III
- ▶ Flexible probes, 1kV, CAT III
- ▶ Test leads, 1kV, CAT III, silicon, 1.5m, 0.75mm², 4mm plugs
- ▶ Crocodile clips, 1kV, CAT III

PJP KPJP-220 \$149 ex GST

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