

Australia's Lowest Price 1.5GHz Spectrum Analyser



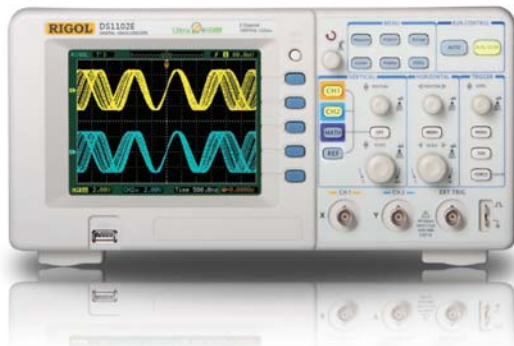
Rigol Technologies have broken the price barrier on spectrum analysers with the new DSA-815, easily Australia's lowest price 1.5GHz spectrum analyser!

Rigol's DSA-815 is priced as affordably as digital storage oscilloscopes and will finally allow spectrum analysers to become a standard instrument on every educational laboratory and service department benchtop.

- ▶ 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)

Rigol DSA-815 1.5GHz Spectrum Analyser	\$1,295 ex GST
Rigol DSA-800-TG Tracking Generator Option	\$210 ex GST

Australia's Best Value Digital Storage Oscilloscopes



Now you've got no excuse ... update your old analogue scopes!

Whether you're a TAFE, university, workshop, service technician or hobbyist, the Rigol DS-1000E guarantee Australia's best price.

RIGOL DS-1052E 50MHz

- ▶ 50MHz Bandwidth, 2 Ch
- ▶ 1GS/s Real Time Sampling
- ▶ 512k Memory Per Channel
- ▶ USB Device & Host Support

ONLY \$329 ex GST

RIGOL DS-1102E 100MHz

- ▶ 100MHz Bandwidth, 2 Ch
- ▶ 1GS/s Real Time Sampling
- ▶ 512k Memory Per Channel
- ▶ USB Device & Host Support

ONLY \$399 ex GST

PinPoint Alpha - Affordable Fault Finding



Diagnosys Systems, leading providers of test, repair and support for electronic circuit boards, have launched the new PinPoint Alpha, an affordable, reliable test system, designed to offer best in class fault detection.

Users can apply multiple test techniques to ensure maximum test coverage and accurate fault identification in a circuit. These test techniques include; in-circuit functional test, edge card functional test, boundary scan, passive and active analog testing, mixed-signal functional test, vectorless test, analog signatures and parametric testing. All of these individual tests can be combined into a single test flow to deliver outstanding fault detection and identification.

- ▶ Rapid fault detection & identification
- ▶ Accurate fault identification reduces re-work and improves board reliability
- ▶ Quick learning curve and program development through easy to use graphical software
- ▶ Functional testing from the edge connector
- ▶ Functional testing of a single component
- ▶ Boundary scan
- ▶ Passive and active analog testing
- ▶ Mixed-signal functional test
- ▶ Vectorless test
- ▶ Analog signatures
- ▶ Parametric testing
- ▶ Reverse engineering capability

Diagnosys PinPoint Alpha

from under \$20,000 ex GST

GW GPT Series Hi-Pot Testers



GW's GPT series provide a reliable, safe and practical safety compliance testing range that meet a variety of standards for the safety testing of electronic products.

- ▶ **GPT-9804** 4-in-1 performs 5kV AC, 6kV DC, 1000V insulation resistance and 30A AC earth bond tests.
- ▶ **GPT-9803** 3-in-1 performs 5kV AC, 6kV DC and 1000V insulation resistance tests
- ▶ **GPT-9802** performs 5kV AC and 6kV DC tests
- ▶ **GPT-9801** performs 5kV AC tests
- ▶ High-efficiency PWM amplifier platform with AC 200VA
- ▶ 100 memory blocks for automated testing
- ▶ USB, RS232, Signal I/O & GPIB (opt)

GW GPT-9804	\$2,093 ex GST
GW GPT-9803	\$1,397 ex GST
GW GPT-9802	\$1,147 ex GST
GW GPT-9801	\$994 ex GST

Low Cost Multi-Product Calibrator



A precision multi-product calibrator designed for a wide calibration workload coverage at an affordable cost. The 5025e is ideal for companies requiring a calibrator that can be implemented quickly and easily, providing immediate return on investment.

- ▶ Calibrate bench and handheld multimeters, frequency meters, ohm meters, AC/DC millivoltmeters, thermocouple and PT100 meters, and clamp meters
- ▶ 0 to 1050V AC/DC voltage
- ▶ 0 to 22A AC/DC current
- ▶ 10ohm to 1Gohm resistance
- ▶ Thermocouple simulation
- ▶ Digital frequency
- ▶ Capacitance
- ▶ PT100 simulation
- ▶ Optional clamp meter calibration
- ▶ RS232 and USB interfaces
- ▶ PC Virtual Control Software included

Time Electronics 5025e

\$9,544 ex GST

Temp Data Logger



- ▶ Channels 8
- ▶ Temperature Range -270 to +1820°C
- ▶ Accuracy $\pm 0.2\%$, ± 0.5 Deg C
- ▶ Thermocouple Types B, E, J, K, N, R, S, T
- ▶ USB - software & cable supplied

Pico TC-08 USB \$477 ex GST

20MHz Generator



- ▶ 2 channels, 20MHz
- ▶ 100MS/s, 14bit arbitrary generator
- ▶ Lowest cost 2 channel generator
- ▶ Standard waveforms sine, square, ramp, triangle, pulse, noise, arb
- ▶ Modulation AM, FM, FSK, PM
- ▶ Sweep linear or logarithmic

Rigol DG-1022 \$499 ex GST

Leakage Clamp + Power Functions



- ▶ TRMS AC V 600V
- ▶ TRMS AC A 150A
- ▶ Shielded jaw, 31mm jaw size
- ▶ Accurate - readings of AC current with an accuracy of 0.8 % and a base resolution of 0.01 mA and voltage with an accuracy of 0.5 % and a base resolution of 0.1 V.
- ▶ Power - measures active, reactive, apparent power, THD, PF, phase displacement
- ▶ Intelligent loss analysis - complex algorithms detect and allow determination of possible reasons for current loss.
- ▶ Harmonics - measures current or voltage harmonic components with individual % values up to the 49th
- ▶ THD and PF dual display
- ▶ Peak Value & MAX/MIN/HOLD mode

Metrel MD-9270 \$431 ex GST

GW High Resolution LCR Meters



Model	Bandwidth	Price Ex GST
LCR-8110G	10MHz	\$8,486
LCR-8105G	5MHz	\$6,968
LCR-8101G	1MHz	\$5,909

- ▶ Wide Test Frequency 20Hz to 10MHz, 5MHz, and 1MHz
- ▶ 0.1% Basic Accuracy
- ▶ 6 Digits Measurement Resolution
- ▶ Full Measuring Functions with DUT V/I Monitor
- ▶ PASS/FAIL Function (abs, % or delta) with Judgment Alarm
- ▶ DC Resistance Measurement
- ▶ Multiple Step Mode
- ▶ Graph Mode displays the component impedance response either over a test frequency sweep or over a test voltage sweep in a graphical chart.
- ▶ Standard RS-232C/GPIB Interface

AC, AC+DC Power Source & Power Analyser



GW APS-1102 \$5,567 ex GST

The APS-1102 operates both as a precision AC/DC power source and also as a powerful analyzer for the testing and characteristic analysis of power supplies, electronic devices, components and modules

- ▶ Output Capacity 750VA (for AC 100V Input)/1kVA (for AC 200V Input)
- ▶ Output Modes AC and AC + DC
- ▶ Signal Sources Internal (INT), External (EXT), Internal+External (ADD) and Synchronization (SYNC)
- ▶ Arbitrary Waveform Power Output

- ▶ Power Amplifier of External Signal
- ▶ Measurement Functions - Voltage, Current, Power, Frequency, Power Factor, CF and Harmonix Current
- ▶ Capacitor Input Load Supported
- ▶ Sequence Function
- ▶ Upper/Lower Limits Function
- ▶ 30 Sets of SAVE/RECALL Memory
- ▶ Large 7.5" LCD display
- ▶ USB interface for remote control and data logging
- ▶ Application examples DC to DC converter verification, transformer verification and capacitor verification

Rigol DS-4000 Series DSOs



- ▶ 100MHz, 200MHz, 350MHz and 500MHz bandwidth
- ▶ 2 or 4 channels, with large 9 inch display
- ▶ Sampling rate up to 4GS/s
- ▶ Standard 140Mpts memory
- ▶ Higher waveform capture rate of up to 110,000wfms/s
- ▶ Multi-level intensity grading display, up to 256 levels
- ▶ Optional Serial Bus Decoding: 12C decoding, SPI decoding, CAN decoding, RS232/UART decoding, FlexRay decoding

Model	Bandwidth	Channels	Price Ex GST
DS-4102	100MHz	2	\$1,999
DS-4104	100MHz	4	\$2,399
DS-4022	200MHz	2	\$2,599
DS-4024	200MHz	4	\$2,899
DS-4023	350MHz	2	\$3,899
DS-4034	350MHz	4	\$4,299
DS-4052	500MHz	2	\$4,699
DS-4054	500MHz	4	\$5,899

Rigol 500MS/s, 2 Channel Arbitrary Generators



- ▶ 160MHz, 100MHz and 60MHz, with 500MS/s sample rate and 14Bit vertical resolution
- ▶ 2 full functional channels with settable phase
- ▶ 2ppm high freq stability, 115dBc/Hz low phase noise
- ▶ Standard waveforms: Sine, Square, Ramp, Pulse, Noise and Harmonics
- ▶ 150 built-in arbitrary waveforms
- ▶ Versatile analog and digital modulation functions: AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, 3FSK, 4FSK, OSK, PWM
- ▶ 7 inch colour LCD display (800x480 pixels)

Model	Bandwidth	Channels	Price Ex GST
DG-4062	60MHz	2	\$799
DG-4102	100MHz	2	\$1,024
DG-4162	160MHz	2	\$1,332

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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