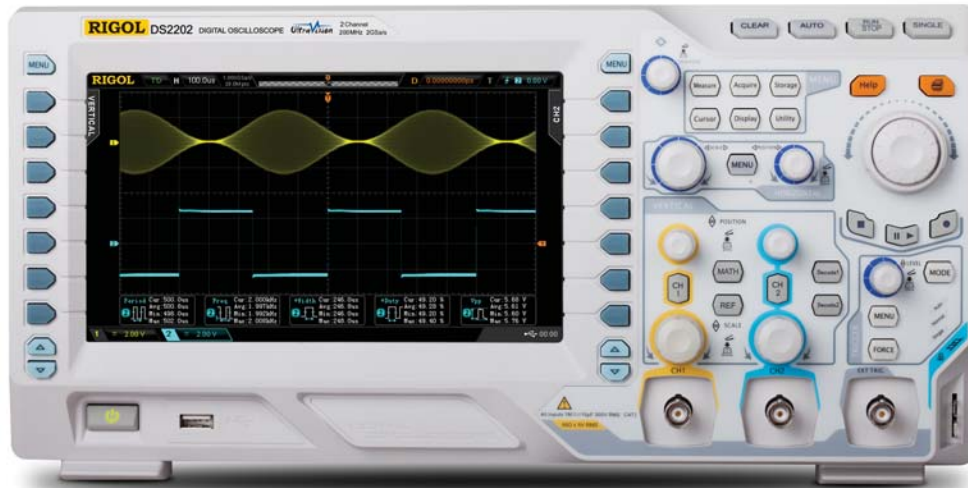


## New Rigol DS-2000 High Performance DSOs



- ▶ Wider vertical range(500uV/div ~ 10V/div), lower noise floor, better for small signal capturing
- ▶ 256 level intensity graduated display
- ▶ Maximum Sample Rate 2GSa/s
- ▶ Standard Memory Depth up to14Mpts, Optional Memory Depth up to 56Mpts
- ▶ Innovative "UltraVision" technology
- ▶ Waveform capture rate up to 50,000 wfs/s
- ▶ Up to 65,000 frames hardware based Real Time Waveform record, replay & Analysis functions
- ▶ Serial bus trigger & decode (decode optional)
- ▶ Large 8 inch TFT (800x480) WVGA display



Deep 14Mpts standard memory with 256 levels intensity grading display and large 8 inch TFT LCD



### RIGOL DS-2072 70MHz

- ▶ 70MHz Bandwidth, 2 Ch
- ▶ 2GS/s Real Time Sampling
- ▶ 14Mpts Standard Memory Depth
- ▶ 256 Level Intensity Display

**ONLY \$839** ex GST



### RIGOL DS-2102 100MHz

- ▶ 100MHz Bandwidth, 2 Ch
- ▶ 2GS/s Real Time Sampling
- ▶ 14Mpts Standard Memory Depth
- ▶ 256 Level Intensity Display

**ONLY \$1,143** ex GST



### RIGOL DS-2202 200MHz

- ▶ 200MHz Bandwidth, 2 Ch
- ▶ 2GS/s Real Time Sampling
- ▶ 14Mpts Standard Memory Depth
- ▶ 256 Level Intensity Display

**ONLY \$1,626** ex GST

## Kikusui Compact AC Power Supplies



The PCR-M Series are compact AC power supplies with the ease use of a variable auto transformer or an automatic voltage regulator (AVR) and the usefulness of a multifunctional AC power supply. Designed using the inverter method, the PCR-M Series are much smaller and lighter than typical AC power supplies while enabling high-quality and highly-efficient (about 70%) operation. This power supply comes with measurement functions, memory function, protection functions and various communication interface options, and it is even possible to provide DC power. When you incorporate an optional analog interface board (EXO4-PCR-M), the PCR-M Series can also be used as a booster for arbitrary signal generator.

- ▶ Three modes: AC, DC, AC+DC
- ▶ Frequency range up to 500 Hz
- ▶ Store and recall three combinations of settings for voltage and frequency
- ▶ Measure the voltage, current and power of AC and DC output, apparent power, reactive power, power factor, crest factor and current peak hold
- ▶ RS-232C is standard. GPIB and USB are optional
- ▶ With optional analog interface (EXO4-PCR-M), output can be controlled by using external analog signals. Input DC signals can be used to change output AC voltage and boost input waveform

Kikusui PCR500M 270V, 5A, 500VA	\$4,171 ex GST
Kikusui PCR1000M 270V, 10A, 1000VA	\$6,703 ex GST
Kikusui PCR2000M 270V, 20A, 2000VA	\$9,651 ex GST

## WiPry Combo Spectrum Analyser



The WiPry-Combo iOS test instrument converts your iPad, iPod or iPhone into a 2.4GHz ISM band spectrum analyser and peak power meter. Visualize signal power, spectral, and time characteristics of Wi-Fi, Zigbee, Bluetooth and remote sensor networks using spectral mode and measure rise and fall time, duty cycle and peak power.

### Spectrum Analyser Mode

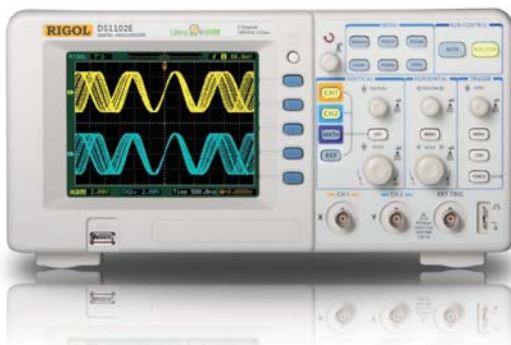
- ▶ 2.4-2.495GHz: Wi-Fi, Bluetooth, Zigbee
- ▶ Amplitude Range: -40dBm to +20dBm
- ▶ Amplitude Resolution: 2.0dBm
- ▶ Resolution Bandwidth: 1MHz
- ▶ Sweep Time: 200ms
- ▶ Antenna: External with SMB
- ▶ Fully configurable real time views
- ▶ Waterfall view
- ▶ Data logging in csv format

### Dynamic Power Meter Mode

- ▶ Frequency Range: 100 MHz to 2.7 GHz
- ▶ Timescale: 2  $\mu$ s/div to 1 s/div
- ▶ Antenna: External with SMB connector
- ▶ Amplitude Range: -45dBm to +20dBm
- ▶ Amplitude Resolution: 2.0dBm
- ▶ Optional conducted measurements kit

Oscium WiPry Combo \$199 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

## GW DC Supplies



The GPS-Series are affordably priced 2, 3 and 4 channel, 180 to 200W output, linear DC power supplies ideal for education laboratories.

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

## 2.7GHz Spectrum Analyser



- ▶ Frequency range 1MHz to 2700MHz
- ▶ Resolution bandwidths of 1MHz, 280kHz or 15kHz
- ▶ -96dBm typical noise floor at -20dBm reference level
- ▶ Fully adjustable centre frequency and span in 1kHz steps
- ▶ Choice of centre plus span or start plus stop setting
- ▶ Zero span mode with AM and FM audio demodulation
- ▶ Sweep modes of normal, single, peak hold and average
- ▶ Simultaneous display of live and reference traces
- ▶ Twin markers with readout of absolute & difference values
- ▶ Smart marker movement with selectable peak tracking
- ▶ Display of limit lines with editor

TTi PSA2701T	\$1,780 ex GST
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## TTi Precision Micro-Ohm Meter

The BS407 is fully optimised for the accurate measurement of low resistances with a best resolution of 1 $\mu$ Ohm.

The BS407 uses a four terminal measurement system via high quality Kelvin Clip leads (supplied). An LED indicator warns of open circuit leads thus preventing spurious results from being recorded.

- ▶ High basic accuracy of 0.1%
- ▶ Wide range of 1 $\mu$  Ohm to 20k Ohm
- ▶ Current reversal switch for detecting thermal emf effects



- ▶ Current diversion switch for easy zero-ing
- ▶ Four terminal measurement using Kelvin clip leads
- ▶ Battery operation with built-in charger

TTi BS407	\$1,098 ex GST
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## Time Electronics Decade Resistance Boxes



Time 1051 8 Decade Resistance Box

- ▶ 0.01 $\Omega$  to 1M $\Omega$
- ▶ High accuracy & stability
- ▶ Clear visual indication
- ▶ Safety terminals
- ▶ Low temperature coefficient
- ▶ Suitable for PRT/RTD

Time 1051	\$712 ex GST
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Time 1041 5 Decade Resistance Box

- ▶ 0.01 $\Omega$  to 1k $\Omega$
- ▶ 10m $\Omega$  resolution
- ▶ High stability
- ▶ Safety terminals
- ▶ Low temperature coefficient
- ▶ Suitable for PRT/RTD

Time 1041	\$565 ex GST
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Time 1040 8 Decade Resistance Box

- ▶ 1 $\Omega$  to 100M $\Omega$
- ▶ High accuracy & stability
- ▶ Clear visual indication
- ▶ Safety terminals
- ▶ Low temperature coefficient

Time 1040	\$729 ex GST
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## 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	\$1,295 ex GST
DSA-800-TG Tracking Generator Option	\$210 ex GST

## 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, 0.75mm<sup>2</sup>, 4mm plugs
- ▶ Crocodile clips, 1kV, CAT III

PJP KPJP-220	\$149 ex GST
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## Emona Instruments Pty Ltd

### SYDNEY

78 Parramatta Rd  
Camperdown  
NSW 2050  
Tel 02 9519 3933  
Fax 02 9550 1378

Email [testinst@emona.com.au](mailto:testinst@emona.com.au)

### GROUP WEBSITES

Test & Measurement [www.emona.com.au](http://www.emona.com.au)  
Testing & Tagging [www.protag.com.au](http://www.protag.com.au)

### MELBOURNE

1206 Toorak Rd  
Camberwell  
VIC 3124  
Tel 03 9889 0427  
Fax 03 9889 0715

### BRISBANE

1/1644 Ipswich Rd  
Rocklea  
QLD 4106  
Tel 07 3275 2183  
Fax 07 3275 2196

### ADELAIDE

3/26 The Parade West  
Kent Town  
SA 5067  
Tel 08 8363 5733  
Fax 08 8363 5799

### PERTH

63 Shepparton Rd  
Victoria Park  
WA 6100  
Tel 08 9361 4200  
Fax 08 9361 4300

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