

Rigol Spectrum Analysers From 1.5GHz to 3GHz



DSA-1030A Series



DSA-1020 Series



DSA-815 Series

Rigol's range of spectrum analysers offers price points to suit users across education, manufacturing, repair, CATV, EMC and many more applications.

From the DSA-815, easily Australia's lowest price 1.5GHz spectrum analyser, with hundreds in use in Australian educational institutions and industry, through to the high performance DSA-1030A, Rigol's spectrum analysers are a popular choice for quality and affordably priced spectrum analysers.

RIGOL DSA-815 1.5GHZ

- ▶ 9kHz - 1.5GHz Frequency Range
- ▶ 100Hz Minimum Resolution Bandwidth
- ▶ 8", 800x480 TFT LCD Display
- ▶ DSA-815-TG with Tracking Generator \$1,505 ex GST

FROM \$**1,295** ex GST

RIGOL DSA-1020 2GHZ

- ▶ 9kHz - 2GHz Frequency Range
- ▶ 100Hz Minimum Resolution Bandwidth
- ▶ Large 8.5", 800x480 TFT LCD Display
- ▶ LAN/USB Host, USB Device & VGA (Opt GPIB)

FROM \$**2,999** ex GST

RIGOL DSA-1030 3GHZ

- ▶ 9kHz - 3GHz Frequency Range
- ▶ 100Hz Minimum Resolution Bandwidth
- ▶ Large 8.5", 800x480 TFT LCD Display
- ▶ DSA-1030-TG with Tracking Generator \$4,999 ex GST

FROM \$**3,999** ex GST

RIGOL DSA-1030A 3GHz, 10Hz Min Res Bandwidth

- ▶ 9kHz - 3GHz Frequency Range
- ▶ 10Hz Minimum Resolution Bandwidth
- ▶ Large 8.5", 800x480 TFT LCD Display
- ▶ DSA-1030A-TG with Tracking Generator \$5,999 ex GST

FROM \$**4,999** ex GST

GW GPT Series Hi-Pot Testers



- ▶ 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

GW LCR-8100 LCR Meters



- ▶ 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) & 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.

GW LCR-8110G 10MHz	\$8,486 ex GST
GW LCR-8105G 5MHz	\$6,968 ex GST
GW LCR-8101G 1MHz	\$5,909 ex GST

Metrel Digital Multimeters & Clamp Meters



Metrel's MD-9020 is a high quality, affordably priced digital multimeter for everyday use. Includes temperature measurement function.

AC Voltage Up to 1000 V
DC Voltage Up to 1000 V
DC Current Up to 10.00 A
AC Current Up to 10.00 A
Diode Test
Resistance 400.0 Ω to 40.00 MΩ
Temperature -20 °C to +300 °C
Frequency 50.00 Hz to 1.000MHz
Capacitance 500.0 nF to 3000 μF
MAX Hold, Data Hold,
CAT IV/300V

Metrel MD-9020 \$103.00 ex GST



Metrel's MD-9050 industrial DMM with CAT IV 1000V overvoltage protection, TRMS current and voltage, as well as non-contact voltage detection feature.

TRMS AC Voltage Up to 1000 V
TRMS DC Voltage Up to 1000 V
TRMS DC Current Up to 10.00 A
TRMS AC Current Up to 10.00 A
Diode Test
Resistance 600.0 Ω to 60.00 MΩ
Temperature -50 °C to +1000 °C
Frequency 5.00 Hz to 1.000MHz
Capacitance 60.0 nF to 25.00mF
MAX Hold, Data Hold,
CAT IV/1000V

Metrel MD-9050 \$286.00 ex GST



Metrel's MD-9230 is a universal current clamp for measuring DC and TRMS AC voltages up to 600V and TRMS AC currents up to 800A.

DC Volt Up to 600V
AC Volt Up to 600V
DC Current Up to 1000A
AC Current Up to 800A
Ohms 400.0Ω to 40.00MΩ
Continuity Test 400.0Ω
Capacitance 500.0nF to 3000 μF
Jaw Size 50mm
Autoranging & Manual Ranging
Relative Zero Mode,
Data Hold, MAX Hold

Metrel MD-9230 \$152.00 ex GST

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

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 μ 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

TTi Precision Micro-Ohm Meter

The BS407 is fully optimised for the accurate measurement of low resistances with a best resolution of 1 μ 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 μ 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

Pico PC-Based Differential Oscilloscope



The PicoScope 3425 has four fully differential inputs that allow you to measure signals that are not referenced to ground. With a maximum common mode and differential range of 400 V, the PicoScope 3425 is capable of measuring both high voltage and low level signals.

Typical high voltage applications include capturing waveforms from switch mode power supplies, telephone cables, motor inverters and hybrid vehicles. The high impedance differential inputs also allow measurements on sensitive amplifiers and from bridge type sensors for pressure, load and strain.

- ▶ 4 Channels
- ▶ 12 resolution
- ▶ 20 MS/s real-time sample rate
- ▶ 5 MHz bandwidth
- ▶ 512,000 sample buffer memory
- ▶ 400 V differential & common-mode range
- ▶ USB 2.0 connected and powered

Pico PicoScope 3425 \$1,512 ex GST

Rigol DS-2000 Series 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 to 14Mpts, Optional Memory Depth up to 56Mpts
- ▶ Innovative "UltraVision" technology
- ▶ Waveform capture rate up to 50,000 wfms/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

Model	Bandwidth	Channels	Price Ex GST
DS-2072	70MHz	2	\$839
DS-2102	100MHz	2	\$1,143
DS-2022	200MHz	2	\$1,626

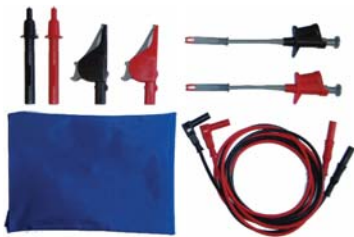
Rigol DS-4000 Series DSOs



- ▶ 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

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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Testing & Tagging www.protag.com.au

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VIC 3124
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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
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Tel 08 8363 5733
Fax 08 8363 5799

PERTH

63 Shepparton Rd
Victoria Park
WA 6100
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Fax 08 9361 4300

Installation Testing www.instaltest.com.au
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