5000 Series Portable Oscilloscopes
See what you’ve been missing?

- Capture more: MegaZoom III with 1 million points of memory
- See more: High-deni-ition XGA display with 256 levels of intensity
- Catch more: 100,000 waveforms per second
- Connect more: Standard USB, LAN, GPIB, XGA-out

<table>
<thead>
<tr>
<th></th>
<th>Agilent 5000 Series*</th>
<th>Tektronix TDS3000B Series**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bandwidth</td>
<td>Up to 500 MHz</td>
<td>Up to 500 MHz</td>
</tr>
<tr>
<td>Channels</td>
<td>2,4</td>
<td>2,4</td>
</tr>
<tr>
<td>Max memory</td>
<td>1 Mpts</td>
<td>10 kpts</td>
</tr>
<tr>
<td>Waveform update rate</td>
<td>100,000 waveforms/ second</td>
<td>3,600 waveforms/ second</td>
</tr>
<tr>
<td>Maximum sample rate</td>
<td>Up to 4 GSa/s</td>
<td>Up to 5 GSa/s</td>
</tr>
<tr>
<td>Display resolution</td>
<td>XGA (1024 x 768) color; 256 levels of intensity grades</td>
<td>VGA (640 x 480) color; 16 levels of intensity grades</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Comes with USB (host and device), 100 Mbit LAN, GPIB, and XGA video ports; LXI class C compliant</td>
<td>Comes with 10 Mbit LAN and Centronics ports (GPIB, RS-232, and VGA out are added-cost options); floppy disk drive</td>
</tr>
</tbody>
</table>

* Agilent 5000 Series Oscilloscope Data Sheet, Pub No. 5989-6385ENUS, April 18, 2007

More information on the next page
5000 Series oscilloscopes

See what you’ve been missing

- 100,000 waveform updates/second to capture the most elusive glitches
- Responsive MegaZoom III deep memory with 1 million points of memory standard
- Comes with USB, LAN, GPIB, and XGA video-out
- 50 Ω and 1 MΩ inputs
- Color XGA display with 256 intensity levels
- Compact package and narrow depth (17.4 cm or 6.8 in)
- Comes with a 3-year warranty

NEW 5000 Series oscilloscope models

<table>
<thead>
<tr>
<th>Model</th>
<th>Bandwidth</th>
<th>Channels</th>
<th>Sample rates</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSO5012A</td>
<td>100 MHz</td>
<td>2 channels</td>
<td>2 GSa/sec</td>
<td>32,760.00</td>
</tr>
<tr>
<td>DSO5014A</td>
<td>100 MHz</td>
<td>4 channels</td>
<td>2 GSa/sec</td>
<td>39,897.00</td>
</tr>
<tr>
<td>DSO5032A</td>
<td>300 MHz</td>
<td>2 channels</td>
<td>2 GSa/sec</td>
<td>42,900.00</td>
</tr>
<tr>
<td>DSO5034A</td>
<td>300 MHz</td>
<td>4 channels</td>
<td>2 GSa/sec</td>
<td>53,820.00</td>
</tr>
<tr>
<td>DSO5052A</td>
<td>500 MHz</td>
<td>2 channels</td>
<td>4 GSa/sec</td>
<td>55,040.00</td>
</tr>
<tr>
<td>DSO5054A</td>
<td>500 MHz</td>
<td>4 channels</td>
<td>4 GSa/sec</td>
<td>77,220.00</td>
</tr>
</tbody>
</table>

3000 Series oscilloscopes

3-year warranty now standard

- 60 MHz to 200 MHz bandwidth
- Color display
- 2 channels
- Up to 1 GSa/s sampling rate
- 4 kpts per channel memory
- USB connectivity standard, GPIB and RS-232 connectivity optional

3000 Series Oscilloscopes

<table>
<thead>
<tr>
<th>Model</th>
<th>Bandwidth</th>
<th>Channels</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSO302A</td>
<td>50 MHz</td>
<td>2 channels</td>
<td>8,590.00</td>
</tr>
<tr>
<td>DSO3102A</td>
<td>100 MHz</td>
<td>2 channels</td>
<td>10,800.00</td>
</tr>
<tr>
<td>DSO3152A</td>
<td>150 MHz</td>
<td>2 channels</td>
<td>12,200.00</td>
</tr>
<tr>
<td>DSO3202A</td>
<td>200 MHz</td>
<td>2 channels</td>
<td>21,200.00</td>
</tr>
</tbody>
</table>

6000 Series oscilloscopes

NEW battery option now available

- Unique mixed-signal measurement capability combined with responsive MegaZoom III deep memory
- FPGA dynamic probe support for Xilinx and Altera FPGAs
- Bandwidths: 100 MHz, 300 MHz, 500 MHz, and 1 GHz
- Channels: 2 or 4 scope channels on DSOs
- 10 or 20 GSa/s scope + 16 time-correlated logic channels on MSOs
- Sample rate: 2 GSa/s to 4 GSa/s
- Memory: 2 Mpts standard, up to 8 Mpts optional
- Display resolution: XGA (1024 x 768) color, 256 levels of intensity
- Waveform update rate: 100,000 waveforms/sec
- Connectivity: LAN, USB, GPIB, and XGA video
- Serial bus trigger: I²C, SPI, USB, CAN, and LIN trigger

6000 Series enhancements

Extend the power and versatility of your Agilent 6000 Series scope with these enhancements:

- I²C and SPI serial decode option
- CAN/LIN automotive triggering and decode option
- New Flexray option
- 89601A vector signal analysis software
- FPGA dynamic probe for mixed signal scopes

Learn from the best of the best:


We’ve revisited the best hints from four editions of this popular guidebook, exploring how measurement techniques and technologies continue to evolve. See “thenvand “now” comparisons of tracking down elusive glitches, analyzing harmonic distortion, and other measurement challenges.

Order your free copy at tm@mobicon.com
Agilent N1996A CSA spectrum analyzers
The unbeatable combination of portability, price, and performance just got better!
Extend the capability of your spectrum analyzer with these new options:

- AM & FM modulation analysis
- AM & FM tune and listen

Call Mobicon for these great offers

Service and quality are always assured, when you buy from MOBICON

Key features

N6705A Saves time
- Eliminates the need to gather multiple pieces of equipment, create complex test setups including transducers (such as current probes and shunts) to measure current into the DUT.
- Eliminates the need to develop and debug programs to control a collection of instruments and take useful measurements because everything is on the front panel.

N6705A makes these tasks easy, right from the front panel
- Setup and view critical turn-on/turn-off sequences
- Measure and display voltage, current versus time to visualize power into the DUT
- Control DC bias supply ramp-up/down rates
- Generate DC bias supply transients and disturbances
- Log data for seconds, minutes, hours, or even days to see current consumption or capture anomalies
- Save data and screen shots to internal storage or external USB memory devices
- Save and name your setup and tests for easy re-use
- Share setups with colleagues

Flexible Configuration
- 600W total output power
- 1 to 4 DC Power Supply channels, with DMM, Scope, Arb and Datalogger function on every channel
- Accepts same modules as N6700 Modular Power System, with 21 modules to choose from
81101A/04A pulse pattern generator, 50/80 MHz

- Single-/dual-channel pulse pattern generator
- 50/80 MHz, 10 Vpp at 50Ω into 50Ω
- Triggerable/PLL operation selectable
- Pulse/burst/pattern modes selectable
- Variable transition times
- 81104A: requires one or two 81105A output modules

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>81104A</td>
<td>50,700.00</td>
</tr>
</tbody>
</table>

33220A function/arbitrary waveform generator, 20 MHz

- Sine, square, ramp, triangle, pulse, noise, and DC waveforms
- 14-bit, 50 MSa/s, 64 K-point arbitrary waveforms
- LXI class C compliant
- AM, FM, PM, FSK, and PWM modulation types
- Linear and logarithmic sweeps and burst operation modes
- USB, GPIB, and LAN interfaces included

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>33220A</td>
<td>15,200.00</td>
</tr>
</tbody>
</table>

81110A pulse pattern generator, 165 MHz

- Single-/dual-channel pulse pattern generator
- Either 165 MHz, 10 Vpp at 50Ω into 50Ω (81111A)
- Or 330 MHz, 3.8 Vpp at 50Ω into 50Ω (81112A)
- Triggerable/PLL operation selectable
- Pulse/burst/pattern modes selectable
- Self-calibration for improved timing accuracy

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>81110A</td>
<td>67,080.00</td>
</tr>
</tbody>
</table>

33250A function/arbitrary waveform generator, 80 MHz

- Sine, square, ramp, triangle, pulse, noise, and DC waveforms
- 12-bit, 200 MSa/s, 64 K-point arbitrary waveforms
- AM, FM, and FSK modulation types
- Linear and logarithmic sweeps and burst operation modes
- GPIB and RS-232 interfaces included

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>33250A</td>
<td>35,510.00</td>
</tr>
</tbody>
</table>

Low-cost pulse/pattern generation just got even lower

Save 20% on the 81101A pulse generator

Please contact us for more details

External timebase reference for the Agilent 33220A function/arbitrary waveform generator

Get external timebase reference (Opt 001) free when you purchase a 33220A function/arbitrary waveform generator. The external timebase reference lets you generate precise phase-offset signals

Agilent Basic Instruments CDth (5 Edition)

In-depth information ready to print or view:
- Technical data sheets, video demonstrations, and application notes on switches, power supplies, oscilloscopes, and more
- Test system developer guides to help you integrate systems using open connectivity standards
- Catalogs for RF & Microwave/Accessories and System and Bench Instruments

Order your FREE COPY today at tm@mobicon.com
U2300A Series USB modular multfunction data acquisition family

Seven multifunction units offering both standalone and modular capabilities

- Use standalone or mount in a chassis
- Up to 3 MSa/s sampling rate for a single channel
- 12-bit to 16-bit resolution
- Input voltage ranges from ±0.05 V to ±10V
- High-speed USB 2.0 transfers (480 MBit/s), TMC 488.2 compliant
- Included software enables fast start-up and simple data acquisition
- Compact size: 120 mm (W) x 182.4 mm (D) x 44 mm (H)
- Compatible with a wide range of development environments, such as Agilent VEE, NI LabVIEW, and Microsoft® Visual Studio®

U2300A modules

<table>
<thead>
<tr>
<th>Model</th>
<th>Input channels</th>
<th>Res.</th>
<th>Output channels</th>
<th>Sampling</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U2351A</td>
<td>16 SE/8 DI</td>
<td>16 bit</td>
<td>2 (16 bit, 1 MSa/s)</td>
<td>250 kSa/s</td>
<td>8,800.00</td>
</tr>
<tr>
<td>U2352A</td>
<td>16 SE/8 DI</td>
<td>16 bit</td>
<td>N/A</td>
<td>250 kSa/s</td>
<td>7,800.00</td>
</tr>
<tr>
<td>U2353A</td>
<td>16 SE/8 DI</td>
<td>16 bit</td>
<td>2 (16 bit, 1 MSa/s)</td>
<td>500 kSa/s</td>
<td>10,920.00</td>
</tr>
<tr>
<td>U2354A</td>
<td>16 SE/8 DI</td>
<td>16 bit</td>
<td>N/A</td>
<td>500 kSa/s</td>
<td>11,000.00</td>
</tr>
<tr>
<td>U2355A</td>
<td>64 SE/32 DI</td>
<td>16 bit</td>
<td>2 (12 bit, 1 MSa/s)</td>
<td>250 kSa/s</td>
<td>10,380.00</td>
</tr>
<tr>
<td>U2356A</td>
<td>64 SE/32 DI</td>
<td>16 bit</td>
<td>2 (12 bit, 1 MSa/s)</td>
<td>500 kSa/s</td>
<td>13,500.00</td>
</tr>
<tr>
<td>U2331A</td>
<td>64 SE/32 DI</td>
<td>12 bit</td>
<td>2 (12 bit, 1 MSa/s)</td>
<td>Up to 3 MSa/s for single channel</td>
<td>14,280.00</td>
</tr>
</tbody>
</table>

* DI: Differential input
  SE: Single ended

34970A data acquisition switch unit, 6½ digit

- 3-slot mainframe with built-in GPIB and RS-232 interfaces
- Built-in signal conditioning measures temperature, AC/DC volts, current, resistance, frequency, and period
- 50 k readings of nonvolatile memory
- HI/LO alarm limits on each channel, plus 4 TTL alarm outputs
- Agilent BenchLink Data Logger Software included

34970A plug-in modules

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Speed (ch/sec)</th>
<th>Max</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>34901A</td>
<td>20 ch mux (2/4-wire)</td>
<td>60</td>
<td>300 V</td>
<td>3,900.00</td>
</tr>
<tr>
<td>34902A</td>
<td>16 ch mux (2/4-wire)</td>
<td>250</td>
<td>300 V</td>
<td>4,313.00</td>
</tr>
<tr>
<td>34903A</td>
<td>20 ch actuator/GP switch</td>
<td>120</td>
<td>300 V</td>
<td>3,420.00</td>
</tr>
<tr>
<td>34904A</td>
<td>4 x 8 matrix</td>
<td>120</td>
<td>300 V</td>
<td>3,620.00</td>
</tr>
<tr>
<td>34905A</td>
<td>2 GHz dual 1.4 RF mux, 50</td>
<td>60 Ω</td>
<td>42 V</td>
<td>5,040.00</td>
</tr>
<tr>
<td>34906A</td>
<td>2 GHz dual 1.4 RF mux, 75</td>
<td>60 Ω</td>
<td>42 V</td>
<td>5,040.00</td>
</tr>
<tr>
<td>34907A</td>
<td>Two 8-bit digital I/O ports</td>
<td>N/A</td>
<td>42 V</td>
<td>2,980.00</td>
</tr>
<tr>
<td>34908A</td>
<td>40 ch single-ended mux</td>
<td>60</td>
<td>300 V</td>
<td>3,900.00</td>
</tr>
</tbody>
</table>

34980A multifunction switch/measurement unit

- 8-slot mainframe with built-in LAN, USB 2.0, and GPIB interfaces
- Extended functionality offers temperature, AC/DC volts, current, resistance, digital I/O, D/A converters, frequency, and period
- VXI class C compliant, high-performance but low-cost alternative to PXI and VXI
- Agilent BenchLink Data Logger Software offers high-speed data logging with no programming required

34980A plug-in modules 15 modules available

<table>
<thead>
<tr>
<th>Model</th>
<th>Key specifications</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>34921A</td>
<td>– 25A multiplexers</td>
<td>Up to 300 V/1A</td>
</tr>
<tr>
<td>34931A</td>
<td>– 33A matrix switches</td>
<td>Up to 128 cross points</td>
</tr>
<tr>
<td>34937A/38A</td>
<td>GP switches</td>
<td>1A and 5A</td>
</tr>
<tr>
<td>34941A/42A</td>
<td>RF switches</td>
<td>50 or 75 W</td>
</tr>
<tr>
<td>34945A</td>
<td>μW switch/atten driver</td>
<td>Drive 64 coils</td>
</tr>
<tr>
<td>34946A/47A</td>
<td>μW switches</td>
<td>SPDT sw to 20 GHz</td>
</tr>
<tr>
<td>34950A</td>
<td>– 59A system control</td>
<td>D/A, DIO, counter</td>
</tr>
</tbody>
</table>

Agilent VEE Express

Automate your U2300A Series USB modular multfunction data acquisition (DAQ) with Agilent VEE Express 8.0

U2700A Series USB modular instrument chassis

Build a flexible system with up to six U2300A Series modules in the U2700A instrument chassis

- As many as 384 channels
- Plug-and-play installation and configuration
- Hot-swap and auto-detect minimize startup time
- Simultaneous synchronization between modules
- SSI/Star trigger bus synchronization between external trigger source and modules
- Optional rack mount kit

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Visual Studio is a registered trademark of Microsoft Corporation in the United States and/or other countries.
NEW

82357B USB/GPIB interface

- High speed USB 2.0 offering fast and easy plug-and-play connection and auto configuration
- Backwards compatible with USB 1.
- IEEE 488 interface (connect to up to 14 instruments)
- Includes industry-standard libraries – compatible with NI-488.2
- GPIB transfer rate of more than 1.15 MB/s with outstanding read performance that supports large block transfers
- Parallel polling lets you pull up to eight devices at once

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>82357B</td>
<td>3,880.00</td>
</tr>
</tbody>
</table>

NEW

82350B PCI high-performance GPIB interface card

- Built-in buffering for speeds up to 900 KB/s
- Dual processor support on Windows® 2000/XP
- IEEE 488 interface (connect to up to 14 GPIB instruments)
- Includes industry standard libraries – now compatible with NI-488.2
- Easy connection – plug-and-play interface

NEW

U9397A/C solid state switches

- Prevent damage to sensitive components with low video leakage <10 mV pp
- Minimize crosstalk with exceptionally high isolation 100 dB @ 8 GHz

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U9397A/C</td>
<td>6,458.00</td>
</tr>
</tbody>
</table>

NEW

53131A/32A universal frequency counters, 10/12 digit/sec

- Measurements include frequency, frequency ratio, time interval, rise/fall time, phase, and much more
- Automated limit tests and one-button measurement setups for fast, easy operation
- Two 225 MHz input channels, plus optional third channel from 3, 5, or 12.4 GHz
- Built-in statistics feature lets you simultaneously measure average, min/max, and standard deviation

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>82350B</td>
<td>3,890.00</td>
</tr>
</tbody>
</table>

NEW

53181A RF frequency counter, 10 digit/sec

- Measurements include frequency, frequency ratio (with optional channel 2), period, and peak voltage
- Automated limit tests and one-button measurement setups for fast, easy operation
- Built-in statistics feature lets you simultaneously measure average, min/max, and standard deviation
- One 225 MHz input channel, plus optional 2nd channel from 3, 5, or 12.4 GHz

<table>
<thead>
<tr>
<th>Model</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>831017A</td>
<td>53,255.00</td>
</tr>
<tr>
<td>83050A</td>
<td>224,250.00</td>
</tr>
<tr>
<td>87405C</td>
<td>18,205.00</td>
</tr>
</tbody>
</table>

NEW

8491A/4B/5H 1.2 GHz RF frequency counter

- Frequency range – DC to 72 GHz
- Long operating life: 5 million cycles
- RF repeatability: 0.03 dB
- Average power: 1W, 2W, 25W

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency</th>
<th>Type</th>
<th>Attenuation</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8491A</td>
<td>DC to 12.4 GHz</td>
<td>Fixed</td>
<td>3, 6, 10, 20, 30, 40, 50, 60 dB</td>
<td>1,708.00</td>
</tr>
<tr>
<td>8494B</td>
<td>DC to 18 GHz</td>
<td>Manual</td>
<td>0 to 11 dB, 1 dB steps</td>
<td>11,000.00</td>
</tr>
<tr>
<td>8495B</td>
<td>DC to 18 GHz</td>
<td>Manual</td>
<td>0 to 110 dB, 10 dB steps</td>
<td>14,380.00</td>
</tr>
<tr>
<td>8494H</td>
<td>DC to 18 GHz</td>
<td>Programmable</td>
<td>0 to 11 dB, 1 dB steps</td>
<td>14,380.00</td>
</tr>
<tr>
<td>8496H</td>
<td>DC to 18 GHz</td>
<td>Programmable</td>
<td>0 to 110 dB, 10 dB steps</td>
<td>14,380.00</td>
</tr>
</tbody>
</table>

NEW

RF and microwave switches – 64 models available

- Guaranteed 0.03 dB insertion loss repeatability for 2 million cycles
- Excellent isolation, typically >80 dB at 26.5 GHz

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency range</th>
<th>Type</th>
<th>Connector</th>
<th>Price (HKD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L7104A/B/C</td>
<td>DC to 4/20/26.5 GHz</td>
<td>Terminated/SP4T</td>
<td>SMA (f)</td>
<td>7,680.00</td>
</tr>
<tr>
<td>L7106A/B/C</td>
<td>DC to 4/20/26.5 GHz</td>
<td>Terminated/SP6T</td>
<td>SMA (f)</td>
<td>7,800.00</td>
</tr>
<tr>
<td>L7204A/B/C</td>
<td>DC to 4/20/26.5 GHz</td>
<td>Unterminated/SP4T</td>
<td>SMA (f)</td>
<td>6,230.00</td>
</tr>
<tr>
<td>L7206A/B/C</td>
<td>DC to 4/20/26.5 GHz</td>
<td>Unterminated/SP6T</td>
<td>SMA (f)</td>
<td>7,472.00</td>
</tr>
<tr>
<td>L7222C</td>
<td>DC to 26.5 GHz</td>
<td>Transfer</td>
<td>SMA (f)</td>
<td>6,330.00</td>
</tr>
</tbody>
</table>

NEW

43976B 4.4 kHz 20 MHz frequency counter

- Accuracy better than 2 ppm
- 0.4% accuracy up to 20 MHz
- 0.8% accuracy up to 40 MHz
- 1.6% accuracy up to 50 MHz
- 3.2% accuracy up to 100 MHz

NEW

53131A/2A universal frequency counters, 10-digit/sec

- Frequency range – DC to 72 MHz
- High accuracy: ±1 part in 10^9
- High resolution: 0.01 Hz
- Large display: 4 digits

NEW

53181A RF frequency counter, 10-digit/sec

- Frequency range – DC to 72 MHz
- High accuracy: ±1 part in 10^9
- High resolution: 0.01 Hz
- Large display: 4 digits

NEW

43976B 4.4 kHz 20 MHz frequency counter

- Accuracy better than 2 ppm
- 0.4% accuracy up to 20 MHz
- 0.8% accuracy up to 40 MHz
- 1.6% accuracy up to 50 MHz
- 3.2% accuracy up to 100 MHz
**N9340A Handheld Spectrum Analyzer**

Superior sensitivity with the narrowest RBW and lowest DANL in its class

- 7.2-inch transflective LCD for clear pictures – even in sunlight
- USB connectivity for easy data transfer and remote PC control
- 30 Hz to 1 MHz resolution bandwidth in 1, 3, 10 sequence
- −144 dBm displayed average noise level (DANL) with pre-amplifier
- 100 kHz to 3 GHz frequency range
- Minimum 10 ms non-zero span sweep time
- +10 dBm third order intercept at 200 kHz offset (TOI)
- 4 hours of continuous battery operation
- Light weight, rugged, and portable (3.5 kg or 7.7 lbs with the battery)

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>100 kHz to 3 GHz</td>
</tr>
<tr>
<td>Resolution bandwidth</td>
<td>10 Hz to 5 MHz</td>
</tr>
<tr>
<td>Third order intercept</td>
<td>−18 dBm</td>
</tr>
<tr>
<td>Displayed average noise level</td>
<td>≤156 dBm/THz, normalized to 1 Hz</td>
</tr>
<tr>
<td>Phase noise</td>
<td>−85 dBc/Hz @ 10 kHz offset</td>
</tr>
<tr>
<td>Overall amplitude accuracy</td>
<td>≤0.5 dB</td>
</tr>
<tr>
<td>Display</td>
<td>21 cm XGA color</td>
</tr>
<tr>
<td>Connectivity</td>
<td>USB and LAN standard</td>
</tr>
<tr>
<td>Key options</td>
<td>Built-in bridge and tracking generator, fault/return loss measurements, preamp, and spectrogram</td>
</tr>
</tbody>
</table>

**Model**  | **Price (HKD)**
--- | ---
N9340A  | 67,080.00

**N9310A RF Signal Generator & N9320A RF Spectrum Analyzer**

The perfect pair for professional performance, compact size, and unbeatable value

**N9310A RF Signal Generator:**

- 9 kHz to 3 GHz with 0.1 Hz resolution
- −127 to +13 dBm output power
- USB connectivity
- Optional 40 MHz I/Q modulator
- Modulation: AM, FM, ΦM, pulse modulation
- Multi-language user interface including the most common Asian and European languages

**N9320A RF Spectrum Analyzer:**

- Frequency range: 9 kHz to 3 GHz
- Displayed average noise level (DANL): −148 dBm with pre-amp on
- Resolution bandwidth (RBW): 10 Hz – 1 MHz
- Third order intercept (TOI): +13 dBm
- Minimum 9.2 msec sweep time

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>9 kHz to 3 GHz</td>
</tr>
<tr>
<td>RBW</td>
<td>10 Hz to 1 MHz</td>
</tr>
<tr>
<td>Third order intercept</td>
<td>+13 dBm</td>
</tr>
<tr>
<td>Minimum sweep time</td>
<td>9.2 msec</td>
</tr>
</tbody>
</table>

**Model**  | **Price (HKD)**
--- | ---
N9310A  | 56,160.00
N9320A  | 60,060.00

**Extend the capability of your Agilent N1996A with these new options:**

- AM and FM tune and listen  | N1996A-AFM
- AM and FM modulation analysis | N8996A-1FP

Please consult us for custom configure price.
<table>
<thead>
<tr>
<th><strong>N5700 Series DC power supplies, 750 W and 1500W</strong></th>
<th><strong>U1251A/52A handheld DMM, 4½ digit</strong></th>
</tr>
</thead>
</table>
| - Up to 600 V and up to 180 A  
- Small, high-density 1U package  
- Full protection from over-voltage and over-current  
- 85 – 265 Vac universal AC input  
- LAN, USB, and GPIB interfaces  
- LXI class C compliant | **The U1251A has:**  
- 50,000-count dual display  
- 0.03% basic DC accuracy  
- AC true RMS  
- Manual and automatic data logging  
- Infrared to USB  
- Comes with accessories: carrying case, calibration report, test lead kit, fine tip probes, SMT grabbers, alligator clips, and data logging software  
- 3 year warranty standard |
| **E3634A 200 W power supply, 25 V, 7 A or 50 V, 4 A** | **The U1252A expands on the U1251A with these key features:**  
- 0.025% basic DC accuracy  
- AC and DC true RMS  
- Temperature: K and J type thermocouple  
- 20 MHz frequency counter  
- Square wave output generator  
- Rechargeable battery and battery charger |
| - 175 W/200 W single output dual range  
- Low noise and excellent regulation  
- Front and rear output terminals  
- Comes with GPIB and RS-232  
- Remote sense, OVP, and OCP  
- SCPI compatible | **Model** | **Price (HKD)** |
| **Model** | **Price (HKD)** |
| E3634A | 10,180.00 |
| E3640A 30 W power supply, 8 V, 3 A or 20 V, 1.5 A | **Model** | **Price (HKD)** |
| - 30 W single output, dual range  
- Low noise and excellent regulation  
- Front and rear output terminals  
- Comes with GPIB and RS-232  
- SCPI compatible  
- Over-voltage protection and remote sensing | E3640A | 5,725.00 |
| E3631A 80 W triple output power supply, 6 V, 5 A & ±25V, 1 A | **Model** | **Price (HKD)** |
| - 80 W triple output  
- Low noise and excellent regulation  
- Comes with GPIB and RS-232  
- Isolated 6 V output  
- SCPI compatible | E3631A | 10,280.00 |
| E3632A 120 W power supply, 15V, 7A or 30V, 4A | **Model** | **Price (HKD)** |
| - 105 W/120 W single output dual range  
- Low noise and excellent regulation  
- Comes with GPIB and RS-232  
- Remote sense, OVP, and OCP  
- SCPI compatible | E3632A | 9,060.00 |
| **34401A DMM, 6½ digit** | **Model** | **Price (HKD)** |
| - 12 measurement functions, plus limit testing and min/max/average  
- 0.0035% 1 year dcV accuracy  
- 0.06% 1 year acV accuracy  
- 1,000 readings/sec in ASCII format across the GPIB bus @ 4 ½ digits continuous  
- True RMS AC volts and current | 34401A | 7,800.00 |
| **34405A economy DMM, 5½ digit** | **Model** | **Price (HKD)** |
| - 16 measurement functions, including temperature and capacitance  
- 70 readings/sec @ 4 ½ digits  
- USB 2.0 standard  
- Dual display  
- Comes with IntuiLink Data Logging Software | 34405A | 6,250.00 |
| **34410A/11A enhanced-performance DMM, 6½ digit** | **Model** | **Price (HKD)** |
| - 10,000 readings/sec @ 5½ digits continuous  
- LAN, USB, and GPIB  
- Data logger software  
- 50,000 reading NV memory  
- Capacitance and temperature measurements  
- LXI class C compliant | 34410A | 12,500.00 |
| - 34411A | 16,280.00 |

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**Agilent AC and DC supplies**

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