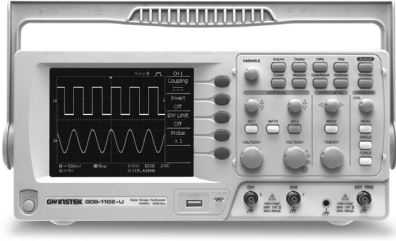


GW INSTEK DIGITAL STORAGE SCOPES

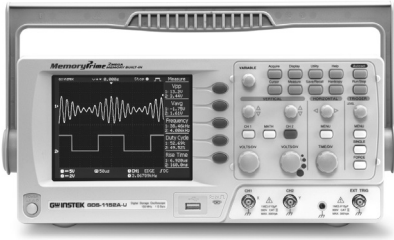
GDS1000-U SERIES & GDS1000A-U SERIES

The INSTEK 1000-U and 1000A-U series DSO's are the most economic scopes to date while at the same time offer higher bandwidths, better sampling rates and advanced features such as GO-NO-GO testing, FFT and Data Logging capability. Freewave software included (download). All models are two channel scopes.



1000-U series:

- 50MHz
- 250MSa/s real time sampling rate.
- 25GSa/s equivalent-time
- 4K record length
- USB port for PC connection
- Go-No-Go, Data Logging & FFT
- 19 automatic measurements
- 5.7" color TFT LCD display
- Peak detect as fast as IOns
- Save/Recall 15 front panel settings & waveforms



1000A-U series:

- 70MHz, 100MHz, 150MHz models
- 1GSa/s real time sampling rate.
- 25GSa/s equivalent-time record length
- 2mV- IOV vertical scale
- USB host and device interface supported
- Go-No-Go, Data Logging and ZOOM FFT
- Up to 27 automatic measurements
- 5.7" TFT LCD display

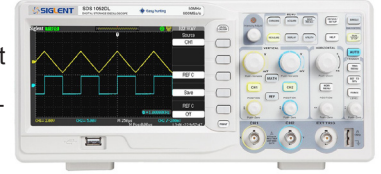
Part No.	Description	Each
01GDS1052U	Model 1052U 50MHz	\$299.00
01OSA1072AU	Model 1072AU 70MHz	339.00
01OSA1102AU	Model 1102AU 100MHz	399.00
01OSA1152AU	Model 1152AU 150MHz	599.00



DIGITAL OSCILLOSCOPE

2ch; 50MHz/70MHz/100MHz

SDS Series digital storage oscilloscopes are of the highest quality and provide reliable performance. Some key applications include electronic circuit design and debugging, electrical circuit function test, industrial control and measuring, and education and training.



Key technical specifications and features:

- 50 MHz to 200 MHz bandwidth
- 500 MSA/s ~1 GSA/s sampling rate
- 7 inches color TFT-LCD display
- 6 digits hardware frequency counter
- Waveform record and play back function
- Unique digital filter and data recorder function
- Embedded 12 languages, online help, one key storing, and one key printing
- Interface: USB device, USB host, RS-232, PASS/FAIL
- Support USB-TMC protocol and SCPI programming command control
- 32kpts to 2Mpts memory depth
- Accessories: 2 x Probe, 1 x Quick Start, 1 x Power Cord, 1 x USB Cable

Part No.	Description	Price
01SDS1052DL	50MHz; 500MSA/s; 32kpts	\$279.00
01SDS1072CML	70MHz; 1GSA/s; 2Mpts	\$322.00
01SDS1102CML	100MHz; 1GSA/s; 2Mpts	\$359.00

RIGOL OSCILLOSCOPE

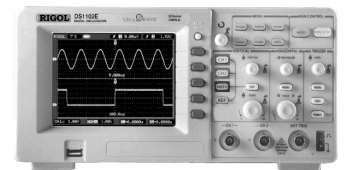
DIGITAL STORAGE

50MHZ, 100MHZ

DUAL CHANNEL WITH LOGIC ANALYZER MODULE

MODELS DS1052 / DS1102

- True mixed signal oscilloscope with 16 channels of digital acquisition
- 5.7" 64K TFT color, vivid display
- 1GS/s Msa/s real-time sample
- Built-in USB host to support USB flash memory, USB printers and direct system upgrades
- Advanced trigger modes includes edge, video, slope, alternate, pulse width, pattern
- 1M of memory (512K points dual channels)
- **Power:** 100-240V / 50VA max



Part No.	Description	Price
01DS1052E	50MHz Scope	329.00
01DS1102E	100MHz Scope	399.00
01DS1052LCD	50MHz Scope w/Logic Analyzer	649.00
01DS1102LCD	100MHz Scope w/Logic Analyzer	719.00

OSCILLOSCOPES

BK PRECISION 2 CHANNEL, DUAL TRACE ANALOG OSCILLOSCOPES

Model 2120C - 30 Mhz
Model 2121C - 30Mhz with built-in Frequency Counter
Model 2125C - 30Mhz with Component Tester
Model 2160C - 60Mhz with Component Tester

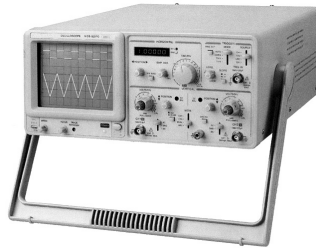


- **Features:**
- 8 x 10 cm CRT. Models 2125C & 2160C equipped with variable scale illumination, and built-in COMPONENT TESTER
- Model 2121C features built-in 50MHz FREQUENCY COUNTER
- Dual trace all models for displaying two waveforms simultaneously, selectable single trace if desired. Alternate or chop sweep selectable at all sweep rates
- 5 mV/div sensitivity full bandwidth. High sensitivity 1mV/div and 2 mV/div using PULL x5 gain control
- Sweep features: Calibrated time measurements. 23 ranges. X10 sweep magnification for close examination of waveforms
- Dual time base features Models 2125C & 2160C

Part No.	Description	Price
01BK2120C	30 MHz analog scope	619.00
01BK2121C	30 MHz analog scope with frequency counter	659.00
01BK2125C	30 MHz analog scope with component tester	675.00
01BK2160C	60 MHz analog scope with component tester	1,119.00

VIZATEK 20MHZ OSCILLOSCOPE

- 20MHz
- Dual or single channel
- High sensitivity 1Mv/DIV
- Z axis input
- 10 times sweep magnification
- Reliable, light electronic encoder
- ALT triggering, triggering level lock, auto sync. functions
- Optional Frequency Counter added at extra cost

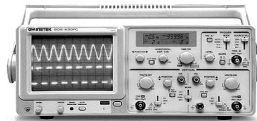


Part No.	Description	Price
01OSM2620FG	20MHz with Freq. Counter	\$340.00

GW INSTEK 30 MHZ OSCILLOSCOPE WITH FREQUENCY COUNTER

MODEL GOS-630FC

- 30 MHz analog 2 channel scope
- Internal 5 digit counter for easy frequency measurements
- High vertical sensitivity up to 1mV/div for capturing small signals
- LCD readout display shows vertical/horizontal settings and input signal frequency
- Auto time-base function to auto select appropriate horizontal time base
- Buzzer alarm alerts users when vert/hor setting reaches max or min
- High performance scope with features rarely available within this class

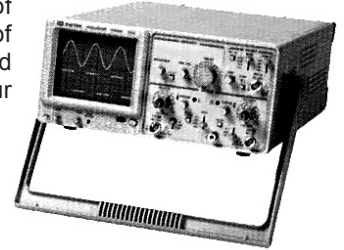


Part No. 01GOS630FC • Price: \$425.00

GW INSTEK 20MHZ OSCILLOSCOPE

MODEL GOS-620

Bandwidth to meet many school lab requirements, and priced to stretch budgets. This high quality scope is the economy version of the GOS-622G, offering many of the same features. Probes and manual are included (with all our bench model scopes).



- 20MHz, dual channel
- High sensitivity 1mV/DIV
- Channel 1 output 20mv/DIV
- TV synchronization
- Z axis input
- ALT triggering function
- X5 magnification DC ~ 7MHz
- Horizontal sweep 0.2µs ~ 0.5s/DIV
- AC trigger coupling
- XY bandwidth DC ~ 500KHz

Part No. 01OS620 • Price: \$395.00

GW INSTEK 20 MHZ OSCILLOSCOPE

MODEL 622G

- 20 MHz dual channel
- High sensitivity, 1mV/DIV
- CH1 output
- TV synchronization
- Z axis input
- ALT triggering function
- Hold Off function
- Trigger level lock function

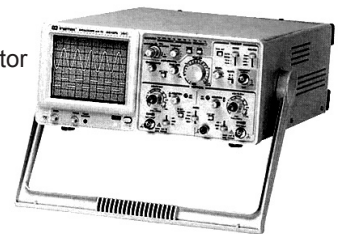


Part No. 01OS622G • Price: \$440.00

GW INSTEK 20 MHZ OSCILLOSCOPE W/FUNCTION GENERATOR

MODEL GOS-620FG

- Built-in 1 MHz Function Generator
- 20MHz, Dual Channel
- High sensitivity 1mV/DIV
- TV Synchronization
- Z axis input
- ALT Triggering Function
- CH1 output
- Economic Choice for High Quality
- Dimensions and Weight - 12" x 6" x 19"; 20 lbs.



Part No. 01OS620FG • Price \$495.00

RSR-4 - IN - 1 INSTRUMENT LAB BENCH SET-UP

MODEL RSR 4-IN-1

CONTAINS ALL FOLLOWING BENCH TYPE INSTRUMENTS:

- Sweep Function Generator
- Triple Output Power Supply
- Digital Multimeter
- Oscilloscope

DETAILS ON INSTRUMENTS:

Sweep Function Generator – Model FG-32. Best value, top seller. 3MHz with digital display. Six waveform functions (sine, triangle, square, ramp, pulse). Internal/External frequency counter function

Triple Output Power Supply – Model PHSY3002-3. Best value, top seller. DC outputs are variable 0 ~ 30VDC @ 0 ~ 2 amps (two outputs), and a fixed 5V @ 3 amp.

Digital Multimeter – Model DM9803R. Best value, top seller. Bench DMM with large, 3 3/4 LCD display with back light and 42 segment bar graph. RS232 computer interface included with software and cable. DC, AC, Resistance, Capacitance, Frequency functions. AC or DC (battery) operation possible.

Oscilloscope – Model GOS-620 (included with 01RSRANA4). Best value and top seller in its class. 20MHz, dual channel analog scope. High sensitivity with ALT trigger function

Oscilloscope – GW Instek Model GDS1052U (included with 01RSRDIG4). 50MHz, 2 channel digital scope

Part No.	Description	Price
01RSRANA4	Four-In-One Bench Set-up w/20MHz Analog Scope	\$750.00
01RSRDIG4	Four-In-One Bench Set-up w/50MHz Digital Scope	735.00



FG-32



PHSY3002-3



DM9803R



GOS-620



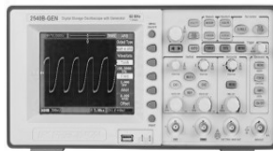
GDS1052U

BK PRECISION DIGITAL SCOPES W/ BUILT IN ARB GENERATOR OPTION

MODELS 2540B, 2542B

Features:

- Dual Channel, PC Software, front panel USB port
- Educators: Ability to disable, auto-set button
- FFT + (3) additional math functions
- 28 automatic measurements
- Digital filtering, waveform recorder, pass/fail limit testing
- Arb models feature AM/FM, FSK, PSK, PWM, save up to 10 user-defined waveforms. Sweep and Burst mode.



Part No.	Description	Price
01BK2540B	60 MHz DSO	\$779.00
01BK2542B	100 MHz DSO	899.00
01BK2540B-GEN	60 MHz DSO w/ 20MHz Arb Generator	1,195.00
01BK2542B-GEN	100 MHz DSO w/ 40MHz Arb Generator	1,395.00

OWON DIGITAL STORAGE OSCILLOSCOPE

30MHZ/60MHZ/100MHZ
2 CHANNEL WITH LAN & VGA
PORTS



SDS5032



SDS6062/SDS7012

- 8 inch TF 65K Color LCD with 800x600 pixel resolution
- USB, LAN & VGA interface
- Includes 2 probes, power cable, USB cable & CD with software
- Dimensions: 14" x 3" x 7"; wt: 5 lbs

Part No.	Description	Price
01SDS5032E	30 MHz DSO, 250Ms/s with 10K points memory on each channel.	\$295
01SDS6026	60 MHz DSO, 500Ms/s with 10M points memory	\$380
01SDS7102	100 MHz DSO, 1Gs/s with 10M points memory	\$490



DIGITAL OSCILLOSCOPES SPO TECHNOLOGY

2CH/4CH; 70MHz TO 300MHz

This series of oscilloscopes employ SPO technology (Super Phosphor Oscilloscope). This allows waveform capture rate of up to 110,000 waveforms per second.



- Analog channel bandwidth 70MHz, 100MHz, 200MHz, 300MHz
- Max Sample Rate: 2GSa/s
- 8" TFT (800 * 480) LCD screen
- Long Memory Depth up to 28Mpts
- Advanced Math operations (FFT, integral, differential, square root)
- Real-time sampling rate of the analog channels 2GSa / s, digital channel 500MSa / s (MSO function)
- Built-in 25MHz function arbitrary waveform generator (optional)
- Support rich serial bus triggering and decoding functions (IIC, SPI, UART / RS232, CAN, LIN)
- Support Smart Trigger (Window, Runt, Interval, DropOut, Pattern) and high-definition HDTV video triggering
- Zoom done by hardware implementation and high-speed Pass / Fail function
- 32 kinds of automatic measurement functions, statistical functions to support measurement
- Advanced Math functions (FFT, integral, differential, square root)
- Interface: USB Host, USB Device (USBTMC, PictBridge), LAN (VXI-11, LXI-C), EXT TRIG, PASS / FAIL, TRIG OUT
- Support rich SCPI remote control commands
- Multi-language display and embedded online help system

All 4ch models support waveform capture rates up to 500,000wfms/s and memory depth up to 140Mpts

Part No.	Description	Price
01SDS2072	2ch; 70MHz Scope	\$805.00
01SDS2074X	4ch; 70MHz Scope	\$1,285.00
01SDS2102	2ch; 100MHz Scope	\$1,028.00
01SDS2104X	4ch; 100MHz Scope	\$1,639.00
01SDS2202	2ch; 200MHz Scope	\$1,449.00
01SDS2204X	4ch; 200MHz Scope	\$2,189.00
01SDS2302	2ch; 300MHz Scope	\$1,998.00
01SDS2304X	4ch; 300MHz Scope	\$2,815.00
Options		
01SDS2000FG	25MHz Function/Arb Option	\$188.00
01SDS2000PA	Power Analysis Option	\$318.00
01SDS2000LA	Logic Analyzer Option (8bits)	\$299.00
01SDS2000DC	IIC, SPI, UART/RS232, CAN, LIN Decoding Option	\$188.00

Call Toll Free: 1 (800) 972-2225 • In NJ: (732) 381-8020 • Fax: (732) 381-1006 (732) 381-1572

OSCILLOSCOPES

BK PRECISION DIGITAL STORAGE OSCILLOSCOPES

70 MHZ / 100 MHZ / 200 MHZ / 300 MHZ / 2 CH. / 4 CH.

The 2550 Series digital storage oscilloscopes deliver performance and value in 2-channel and 4-channel configurations. With bandwidth from 70 MHz to 300 MHz and 2 GSa/s sample rates, these oscilloscopes offer 24 kpts/Ch waveform memory, 32 automatic measurements, and advanced triggering capabilities including math functions. TFT display offers a significantly larger viewing area than typical economy oscilloscopes.

Features:

- Bandwidth up to 300 MHz
- 2 GSa/s sample rate
- 4-channel acquisition (2553, 2555, 2557, 2559)
- Large 7" widescreen color display
- 32 automatic measurements
- FFT plus four additional math functions
- Built-in context sensitive help system
- PC software that lets you remotely control the oscilloscope and capture, save, and analyze waveform data
- Front and rear panel USB host port for convenient storing and recalling of waveform data, setups, and screenshots on a USB flash drive
- Standard LAN (supports SCPI) and USB device port (USBTMC compliant) for remote PC control



MODELS 2553, 2555, 2557



MODELS 2552, 2554, 2556, 2558



MODEL 2559

Part No.	Description	Price
01BK2552	70 MHz, 2ch. Oscilloscope	\$1,015.00
01BK2553	70 MHz, 4ch. Oscilloscope	1,385.00
01BK2554	100 MHz, 2ch. Oscilloscope	1,170.00
01BK2555	100 MHz, 4ch. Oscilloscope	1,615.00
01BK2556	200 MHz, 2ch. Oscilloscope	1,515.00
01BK2557	200 MHz, 4ch. Oscilloscope	2,015.00
01BK2558	300 MHz, 2ch. Oscilloscope	1,995.00
01BK2559	300 MHz, 4ch. Oscilloscope	2,495.00

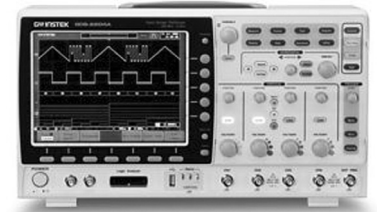
ACCESSORIES

01BKPR150B	150 MHz Passive Oscilloscope Probe	54.00
01BKPR250B	250 MHz Passive Oscilloscope Probe	64.00
01BKPR500B	500 MHz Passive Oscilloscope Probe	104.00
01BKPR2000B	200 MHz High Voltage Oscilloscope Probe	109.00
01BKCC510	General Purpose Function Generator Kit	169.00
01BKCC540	General Purpose Oscilloscope Adapter Kit	365.00
01BKPR-60	Active Differential Probe (25 MHz)	369.00

WINSTEK DIGITAL STORAGE OSCILLOSCOPES

GDS 2000A SERIES
WITH FIELD INSTALLABLE LOGIC ANALYZER & FUNCTION GENERATOR MODULES

Two plug-in compartments in the back of these instruments offer the economical flexibility to either add an optional 8 or 16 channel logic analyzer module, or a 5MHz function generator module, or both. These optional



modules may be added and field-installed at any time. Using VPO advanced signal processing, this scope series is capable of examining signals and capturing glitches without missing any detail. VPO enables the display of signals to be distinguished based on their recurring frequencies. Many additional advanced features including segment memory function, search function and more.

Features:

- Field-installable 8 and 16 channel logic analyzer module to upgrade to MSO
- Field-installable 5MHz function generator module option
- Built-in segmented memory and waveform search function
- Optimizes efficiency of memory length. analyze min, max, mean with built-in segmented memory
- Dual display with Play/Stop and Zoom window rapidly navigates waveforms
- Large, 8" high resolution TFT LCD display
- 100Gs/sec equivalent sampling rate, 2Gs/sec real time
- 2M memory
- 80,000 WFM/s waveform update rate
- 26 auto measurement functions
- FFT computing provides Frequency Domain Analysis

Part No.	Description	Price
01GDS2072A	70 MHz 2 Channel	\$750.00
01GDS2074A	70 MHz 4 Channel	1,395.00
01GDS2102A	100 MHz 2 Channel	1,025.00
01GDS2104A	100 MHz 4 Channel	1,525.00
01GDS2202A	200 MHz 2 Channel	1,465.00
01GDS2204A	200 MHz 4 Channel	1,775.00
01GDS2302A	300 MHz 2 Channel	2,150.00
01GDS2304A	300 MHz 4 Channel	2,595.00
01DS28LA	8 Channel Logic Analyzer Module	570.00
01DS216LA	16 Channel Logic Analyzer Module	830.00
01DSFGN	Function Generator Module	245.00
01DS2LAN	LAN	280.00
01DS2GPIB	GPIB Interface	400.00

**RIGOL
DIGITAL OSCILLOSCOPES**

70MHz/100MHz/200MHz/300MHz

LOGIC ANALYZER MODULE (OPTIONAL)

RIGOL 2000 Series digital oscilloscope are new high-quality dual-channel oscilloscopes. These compact lightweight digital oscilloscopes provide exceptionally accurate waveform viewing and measurements. They provides up to 50,000 wfms/s waveform acquisition rate.



The 2000 Series digital oscilloscope is ideal for production tests, field service, research, design and all other applications involving analog/digital circuit tests and troubleshooting, as well as education and training.

- **Bandwidth:** 70 - 300MHz. 2 Channels. Real-time sample rates: 2 GSa/s.
- **Memory depth:** 14 Mpts.
- Innovative UltraVision technology. Vertical sensitivity: 500µV/div - 10V/div. 8-inch color LCD
- Waveform acquisition rate up to 50,000 wfms/s.
- **Math functions:** Add, Subtract, Multiply, FFT.
- Standard interface: USB host & device, LAN, AUX. Recommended calibration interval period is 1 year.
- Real-time waveform recording, waveform playback, and waveform analysis. Compact design
- Function/Arb Generator Board (OPTIONAL)
- Logic Analyzer (16 bit) optional

Part No.	Description	Price
01DS2072A	70MHz, 2ch scope	\$839.00
01DS2072A-S	70MHz, 2ch w/ 1MHz Function Arbitrary Generator	\$1,189.00
01MSO2072A	70MHz, 2ch scope w/ Logic Analyzer 16bit	\$1,239.00
01MSO2072A-S	70MHz, 2ch scope w/ Logic Analyzer & 1MHz Func Arb Gen	\$1,589.00
01DS2102A	100MHz, 2ch scope	\$1,260.00
01DS2102A-S	100MHz, 2ch scope w/ 1MHz Function Arbitrary Generator	\$1,650.00
01MSO2102A	100MHz, 2ch w/ Logic Analyzer	\$1,543.00
01MSO2102A-S	100MHz, 2ch w/ Logic Analyzer and 1MHz Func Arb Generator	\$1,893.00
01DS2202A	200MHz, 2 ch scope	\$1,790.00
01DS2202A-S	200MHz, 2 ch w/ 1MHz Function Arbitrary Generator	\$2,180.00
01MSO2202A	200MHz, 2 ch w/ Logic Analyzer	\$2,026.00
01MSO2202A-S	200MHz, 2 ch w/ Logic Analyzer and 1MHz Function Arb Generator	\$2,376.00
01DS2302A	300MHz, 2 ch scope	\$2,450.00
01DS2302A-S	300MHz, 2 ch w/ 1MHz Function Arbitrary Generator	\$2,830.00
01MSO2302A	300MHz, 2 ch w/ Logic Analyzer	\$2,621.00
01MSO2302A-S	300MHz, 2 ch w/ Logic Analyzer and 1MHz Function Arbitrary Generator	\$2,971.00

**RIGOL
DIGITAL OSCILLOSCOPES**

70MHz/100MHz/200MHz

LOGIC ANALYZER MODULE (OPTIONAL)

DS1000Z series are a 4-channel digital oscilloscope bandwidth 50MHz ~ 200MHz, sample rates up to 1GSa/s, while both deep storage depth and high waveform capture rate, high performance economical general purpose digital oscilloscopes.



DS1000Z series uses many of today's advanced technology and processes, the overall performance reached the international advanced level, for the most widely used digital oscilloscope markets including communications, semiconductor, automotive electronics, site maintenance, research/education and man other areas of universal design / debugging / testing requirements and design an oscilloscope.

- 1GSa/s Sample Rate
- **UltraVision:** Deeper memory(Std.12Mpts,Opt.24Mpts)
- **UltraVision:** Up to 30,000 wfms/s Waveform capture rate
- **UltraVision:** Multi-Level intensity grading display
- **UltraVision:**Realtime waveform Record,Replay, function (Opt.)
- A variety of Math Functions
- FFT function
- A variety of Trigger Functions
- Optional Serial Bus Triggering and Decoding functions(RS232,I2C,SPI)
- Standard Mask test function
- Automatic Measurements with Statistics
- Optional Function/Arbitrary Generator

Part No.	Description	Price
01DS1054Z	50MHz, 4ch scope	\$399.00
01DS1074Z	70MHz, 4ch scope	\$499.00
01DS1074Z-S	70MHz, 4ch w/ 25MHz Function Arbitrary Generator	\$699.00
01MS01074Z	70MHz, 4ch w/ Logic Analyzer	\$835.00
01MS01074Z-S	70MHz, 4ch w/ Logic Analyzer and 25MHz Func Arb Generator	\$1,068.00
01DS1104Z	100MHz, 4ch scope	\$830.00
01DS1104Z-S	100MHz, 4ch w/ 25MHz Function Arbitrary Generator	\$1,080.00
01MS01104Z	100MHz, 4ch w/ Logic Analyzer	\$997.00
01MS01104Z-S	100MHz, 4ch w/ Logic Analyzer and 25MHz Func Arb Generator	\$1,229.00
01DS1204B	200MHz, 4 ch, 2GS/s Scope	\$1,395.00
01DSRACK	Rack Maintaining Kit for DS1000Z	\$137.00

LOGIC ANALYZER / OSCILLOSCOPES

velleman PERSONAL SCOPE

MODEL HPS50

Designed By electronics enthusiasts
For electronics enthusiasts! Powerful,
compact and USB connectivity. The
large keyboard and bright LCD makes
this unit a breeze to use.



- 40MHz sampling rate
- 12MHz analog bandwidth
- 0.1mV sensitivity
- 5mV to 20V/div in 12 steps
- 50ns to 1hour/div time base in 34 steps
- Ultra fast full auto set up option
- Adjustable trigger level
- X and Y position signal shift
- DVM readout
- Audio power calculation (rms and peak) in 2, 4, 8, 16 & 32 ohm
- dBm, dBV, DC, rms ...measurements
- Signal markers for Volt and Time
- Frequency readout (through markers)
- Recorder function (roll mode)
- Signal storage (2 memories)
- High resolution LCD 192x112 pixels
- LCD backlight
- Galvanically separated USB output for PC
- Data or bitmap download to PC

Part No. 01VHPS50 • Price: \$295.00

api HAND HELD DMM/SCOPE

WITH TRUE RMS, AUTORANGING

MODEL SCOPE PLUS 440

Versatile, combination unit, featuring a 1 MHz hand-held oscilloscope plus a wide range of both standard and special DMM functions. Unit comes complete with rubber holster and stand, NiCad battery and charger/ adaptor, test leads and 38 page manual.

1 MHZ OSCILLOSCOPE

Glitch Capture (25 ms/s), continuous autose, real time display, cursor measurements, flexible triggering, roll mode, optional RS-232 output.



TRUE RMS DMM

- **Voltage** – 1,000VDC, 5 Ranges; 750VAC, 4 Ranges, True RMS
- **Current** – 10A AC/DC, 6 Ranges
- **Resistance** – 40M, 6 Ranges
- **Capacitance** – 400µF, 6 Ranges
- **Frequency** – 2 MHz, 5 Ranges
- Diode test, continuity buzzer, component test, logic test, REL function, peak hold, minmax record, compare mode, trend, joystick function selector, auto-ranging, built-in true RMS, 4,000 count display, back light, on board help text switch

Applications: View industrial signals, capture noise spikes and glitches, monitor power quality, audio/video, digital circuitry, communications.

Part No.	Description	1-4	5+
01OSDM440	Model 440 DMM/Scope	\$355.00	\$345.00
01A900	Soft Carrying Case	21.95	20.90
01A402	Software & Cable For Scope Plus	59.95	56.95

POCKET HANDHELD OSCILLOSCOPE DSO NANO V3 / USB



The DSO Nano V3 is a pocket-size compatible 32bit digital storage oscilloscope. Based on ARM -M3, it's equipped with 320*240 color display, SD card, USB port and recharging function. It's compact, simple to operate; meets the basic demands of school lab, electronic troubleshooting, etc

Features:

- Portable and lightweight
- Color display
- Waveform storage and playback
- 6 triggering modes
- 200Khz Analog Bandwidth
- Built-in Signal Generator
- Display: 2.8" color TFT LCD
- Vertical Sensitivity: 10mv/Div~10V/Div(x1 probe) 0.5V/Div~10V/Div(x10 probe)
- Input Resistance: >500KO
- Max. Input Voltage: 80Vp-p(x1 probe)400Vpp(x10 probe)
- Triggering Mode: Auto, Normal, Single, None
- Auto Measurement: Frequency, cycle, duty, Vpp, Vram, Vavg, DC voltage; Vertical Precise
- Measurement Cursor; Horizontal Precise Measurement Cursor; Rising/Falling Edge Trigger; Triggering Cursor; Triggering Sensitivity Cursor; Hold/Run
- Inbuilt Test Signal: 10Hz-1MHz (1-2-5 stepping)
- PC Connection Interface: Connection through USB
- Recharging Method: Through USB interface
- Dimensions: 105mm x 53mm x8mm

Part No. 01DSONANO • Price \$99.50

RSR SCOPE PROBE SWITCHABLE

60, 100, 250 MHZ

- B.W. DC to 60/100/150 MHz.
- BNC to IC Test Hook, with selectable X1, X10 switch.

Includes:

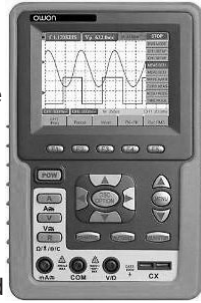
- 1 ea. probe
- Spring hook
- Ground lead
- Insulating tip
- Measuring tip
- IC tip
- Adjusting tool
- Channel identifier clips.



Part No.	Description	1-9	10-99	100+
05SPAK220	60 MHz	\$13.95	\$11.95	\$9.95
05SPAK510	100 MHz	\$17.95	\$15.95	\$13.95
05SPGL250	250 MHz	21.95	19.95	17.95

OWON HANDHELD OSCILLOSCOPE 20 MHz SINGLE/DUAL CHANNEL

This is a handheld electrical test device that combines a 20MHz, handheld digital oscilloscope for viewing electrical signals with a manual- and auto-ranging digital multimeter for measuring AC and DC voltage to 400V, AC and DC current to 10 amp, resistance to 40 MO, and capacitance to 100 µF. The oscilloscope has a maximum real-time sample rate of 100 MS/s and a record length of 6,000 points per channel for acquiring detailed waveforms. Its four math functions—add, subtract, multiply, and divide—plus FFT (fast Fourier transform) and 20 automatic measurements such as period, frequency, and peak-to-peak enable an in-depth analysis of waveforms. Up to four waveforms can be stored in the internal memory. The multimeter has two ranging modes: manual, which allows the user to select the operating range, and auto, which automatically selects the appropriate operating range. The delta relative function allows a measurement to be set as a reference value and displays subsequent measurements as a positive or negative deviation from that value, and the data-hold function freezes a reading on the display to aid documentation. A continuity buzzer confirms that the circuit conducts electricity, and a diode check detects whether a circuit's diodes are working properly. Additional specifications include a rise time of 17.5 ns and various triggering features. The unit has a 3.5" color TFT (thin film transistor)



Maximum real-time sampling rate 100 Ms/s & 6,000 points record length per channel

Part No.	Description	Price
01HDS1021M	20 MHz; single channel	\$295
01HDS1022M-N	20 MHz; 2 channel	\$435

DIGITAL OSCILLOSCOPE SMALL PORTABLE 1 CHANNEL 1MHz / 10 MHz Models: DSO 062, DSO 082

Features

- 1MHz bandwidth (5 Ms/s sampling rate)-Model-DSO 062
- 10 MHz Bandwidth (50Ms/s sampling rate) - Model-DSO 082
- 100 mv/div. to 5V/div. sensitivity - Model-DSO 062
- 10mv/div. to 5V/div. sensitivity - Model-DSO 082
- 50V peak to peak max. input
- DC/AC coupling
- Probe and adaptor included
- Save / recall up to 4 captures
- FFT with selectable points (Model-DSO 082)
- **Size:** 5" x 2.7" x 1.2"; **Wt.** 5 oz. (DS082)
- **Size:** 4.3" x 2.6" x 1" **Wt.** 4.5 oz. (DS062)



DS 062



DS 082

Part No.	Description	Price
01DS062	DS062 - 1MHz Oscilloscope	69.95
01DS082	DS082 - 10MHz Oscilloscope	125.00



HANDHELD OSCILLOSCOPE

60MHz/100MHz/150MHz/200MHz

SHS800 Series Handheld Digital Oscilloscopes offers a powerful high-performance oscilloscope and a high precision multimeter. Some outstanding features and applications include a data recorder function with 7M internal storage up to 18 hrs recording time, a 32 measurement trend plot analyzer and can be utilized for automotive electronics, power system electricity test and plant automation control systems.



Features:

- Real time sampling rate: 1GSa/s
- Memory Depth: 2 Mpts
- Triggerin: Edgek, Pulse, Video, Slope
- Interface: USB Device, USB Host
- Accurate measurement of DCV, ACV, DCI, ACI
- Accurate measurement of resistance, diode, capacitance
- Display: 6000 Counts

Part No.	Description	Price
01SHS806	60 MHz Bandwidth	\$465.00
01SHS810	100 MHz Bandwidth	\$573.00
01SHS815	150 MHz Bandwidth	\$648.00
01SHS820	200 MHz Bandwidth	\$648.00

HANDHELD DIGITAL SCOPE AND DMM

60 MHz BW / 2 CHANNELS

- 60 MHz bandwidth with 2 channels
- 150Msa/s real-time sampling rate
- 5 Gsa/s equivalent-time sampling rate
- Large 5.7" TFT color display
- 6000-count DMM resolution
- USB host/device 2.0 interface
- **Memory:** 32K single channel, 16K at dual
- Multi-language support
- Battery power operation
- **Vertical:** Rise time <5.8ns
- **Cursors / Measurements:** Vpp, Vmax, Vmin, Vrms, Vbase, Vmid, preshoot, overshoot
- **Time Measurement:** Freq., period, rise, fall, width, duty cycle.
- **Dimension:** 245x163x52mm; 3 lbs



Part No 01DSMM1 • Price: \$395.00

OSCILLOSCOPES

GW INSTEK

DIGITAL STORAGE OSCILLOSCOPES

GDS200/300 SERIES

COMPACT, 7" FULL TOUCHSCREEN SCOPES

- 70MHz, 100MHz, 200MHz models
- 50,000 count built-in DMM (GDS-300 series) 5,000 count built-in DMM (GDS-200 series)
- All 2-channel models, 1Gsa/s sample rate
- 5M memory depth per channel (GDS-300) 1M memory depth per channel (GDS-200)
- Full touch panel capacitive LCD multi-point control with landscape and portrait display 7", 800 x 480 pixels. adjustable backlight
- **Specifications:** Height (10"); Weight (3.3 lbs.)
- **Additional features:** engineering calculator, SMD resistance coding, color coding info and attenuation calculation, application software, 30,000 consecutive waveform log function to replay measurement results, temp measurement and logging, optional differential probe for isolation effect and additional accessories.



Part No.	Description	Price
01GDS320	200MHz, w/ 50,000 count DMM	\$2,495.00
01GDS310	100MHz, w/ 50,000 count DMM	\$1,870.00
01GDS307	70MHz, w/ 50,000 count DMM	\$1,495.00
01GDS220	200MHz, w/ 5,000 count DMM	\$1,995.00
01GDS210	100MHz, w/ 5,000 count DMM	\$1,495.00
01GDS207	70MHz, w/ 5,000 count DMM	\$1,195.00
Optional		
01GTP200A4	Optional 200MHz probe	\$25.00
01GSC010	Soft carry case option	\$47.00
01GSC011	Soft carry bag option	\$18.00
01GAP001	AC/DC adaptor option	\$36.00
01GWS001	Wrist strap option	\$15.00
01GDP040D	40MHz dual channel, differential probe Cat II 600V	\$499.00
01GTL253	Mini USB cable Type A	\$15.00
01GCL001	Vertical calibration cable	\$29.00

velleman POCKET HANDHELD SCOPE

MODEL HPS140I

FEATURES:

- 40Mega samples/sec in real time
- Bandwidth up to 10MHz
- Full auto range option
- Sensitivity down to 0.1mV
- Signal markers for amplitude and time
- Memory Hold function
- Direct audio power measurement
- USB battery charger included
- X10 measuring probe included
- Optional: Carrying Bag BAGPS



SPECIFICATIONS:

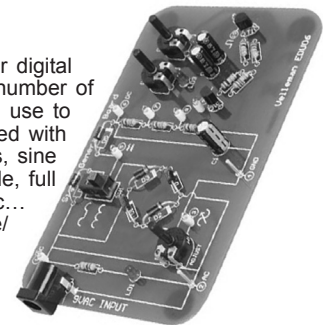
- Bandwidth: up to 10 MHz (-3dB or -4dB at selected ranges)
- Input range: 1mV to 20V/division in 14 steps
- Input coupling: DC, AC and GND
- Real-time sample rate up to 40MS/s
- AD resolution: 8 bits
- Time base: 250ns to 1h per division
- Auto set-up function (or manual)
- Probe x10 readout option
- Readouts: DC, AC+DC, True RMS, dBm, Vpp, Min-Max. (±2.5%)
- Audio power measurement from 2 to 32 ohms
- Hold & store function
- Time and Voltage markers readout
- Max. 100Vp AC+DC
- White LED backlight
- Operates on NiMH rechargeable battery pack (included)
- Operates up to 6 hours on one charge*
- Charging power supply: 9Vdc/200mA
- For use on CLASS II pollution degree II installations
- Dimensions: 74 x 114 x 29mm / 2.9 x 4.5 x 1.14"
- Weight: 200g, (7oz)

Part No. 010SHPS140I • Price: \$169.00

velleman OSCILLOSCOPE TRAINING KIT

Learn how to get the most out of your digital oscilloscope. The board generates a number of safe 'real-world' signals, which we will use to perform measurements. Get familiarized with AC, DC and frequency measurements, sine and square waves, power supply ripple, full and half wave rectifiers, oscillators etc...

Learn what terms such as V/div, Time/div, trigger level, auto-setup etc... mean. All experiments featured in this project are performed with the Velleman HPS140 Handheld Pocket Scope. Most experiments can be done with any digital storage scope. Some experiments can be performed with an analog scope.



Features:

- Signals:
- Alternating current (AC)
- Adjustable AC
- Full and half wave rectified AC
- Smoothed direct current (DC)
- Ripple
- Astable oscillator
- Assembled and tested, no soldering required

Specifications:

- Power supply: 9...12VAC / min.100mA (adapter not incl.)
- Dimensions: 116x74x24mm / 4.6x2.9x0.9"
- Optional: 9VAC /500mA adapter PS905AC

Part No.32VKEDU06 • Price: \$29.50

**OSCILLOSCOPE PC BASED
DUAL CHANNEL
40 MHZ / 100 MHZ**

- USB-powered 2 channel digital storage scopes.
- Real-time sampling – 100MS/s and 250Ms/s
- Buffer size 10K ~ 28K.
- Measurements: Vp-p, Vmax, Vmin, Vmean, Vamp, Vhigh, Vlow, positive/negative overshoot, cyclemean, cycle rms, period, frequency puls width, ris time (10% ~ 90%), fall time (10% ~ 90 %), positive negative duty cycle.



Part No.	Description	Price
01DSO2090	40 MHz BW	\$199.00
01OSDSO2250	100 MHz BW	319.00



**2-CHANNEL USB PC
OSCILLOSCOPE, 60MHZ
MODEL PCSU1000**

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its high sensitive display resolution, down to 0.15mV, combined with a high bandwidth and sampling frequency up to 1GHZ give this unit all the power you need.



The USB connection makes this PC based instrument a snap to set-up, no external power required! In-the-field measurements, using a lap-top, have never been this easy. Comes in a stylish vertical space saving design.

Powerful software will fulfill all your needs, but for those who like a challenge; a DLL is supplied, which allows you to create your own application.

- Inputs: 2 channels, 1 external trigger input
- Input impedance: 1Mohm // 30pF
- Bandwidth: DC to 60 MHz "3dB
- Max. input voltage: 30V (AC + DC)
- Input coupling: DC, AC and GND
- Supply from USB port (500mA)
- Minimum system requirements:
- IBM compatible PC
- Needs Win98SE or higher
- SVGA display card (min. 800x600, 1024x768 recommended)
- Mouse
- USB port 1.1 or 2.0 compatible
- CD Rom player

Includes:

- USB PC oscilloscope
- 2 x 60MHz scope probe
- USB cable
- Software on CD
- Getting started manual
- Translations on CD

Part No. 01OSPCSU1000 • Price: \$379.00

**velleman PC OSCILLOSCOPE /
FUNCTION GENERATOR
2 CHANNEL, 12MHZ BW
MODEL PCSGU250**

A complete USB-powered lab-in-a-box Feature-packed **PcLab2000-LT software for two channel oscilloscope, spectrum analyser, recorder, function generator and bode plotter.** With the generator, you can create your own waveforms using the integrated signal wave editor. For automated measurements, it is even possible to generate wave sequences, using file or computer RS232 input.



- **Oscilloscope:**
 - BW: DC to 12MHz
 - auto set-up function and X10 option
 - pre-trigger function
 - readouts: True RMS, dBV, dBm, p to p, Duty cycle, Frequency
 - Sampling frequency: Up to 25Mhz
- **Function Generator**
 - Crystal-based stability
 - Standard waveforms: sine, square and triangle
 - Predefined library waveforms included: sine(x)/x, DCV, sweep
- **Spectrum Analyser:**
 - Linear or logarithmic timescale
 - Operating principle: FFT (Fast Fourier Transform)
 - FFT input channel: CH1 or CH2
 - Zoom function
- **Bode Plotter:**
 - Automated sync between oscilloscope and generator
 - Logarithmic scale option
 - Volt or dB display scale
 - Phase plot option
- **Transient Recorder**
- **System Requirements**
 - IBM compatible PC
 - Windows™ 2000, XP, Vista

Part No. 01PCSGU250 • Price: \$195.00

**velleman USB PC OSCILLOSCOPE
WITH SIGNAL GENERATOR**

Features

- Function generator:
 - crystal-based stability
 - standard waveforms: sine, square and triangle predefined library wave forms 1 included: sine(x)/x, sweep,...
- Oscilloscope:
 - auto set-up function and X10 option
 - pre-trigger function readouts: True RMS, dBV, dBm, p to p, Duty cycle, Frequency persistence options: color Graded, Variable and Infinite
- Transient recorder:
 - automatic data storage automatic recording for more than 1 year recording and display of screensrecording and display of screens
- Bode Plotter:
 - automated sync between oscilloscope and generator
 - logarithmic scale option
 - Volt or dB display scale
 - phase plot option
- Spectrum analyzer:
 - linear or logarithmic time scale
 - operating principle: FFT (Fast Fourier Transform)
 - FFT input channel: CH1 or CH2
 - zoom function
- Includes:
 - getting started manual
 - USB PC Scope+generator unit
 - USB cable



Part No. 01PCSU200 • Price: \$149.00

OSCILLOSCOPES

HANDHELD DIGITAL SCOPE AND DMM 60 MHz BW / 2 CHANNELS

- 60 MHz bandwidth with 2 channels
- 150Msa/s real-time sampling rate
- 5 Gsa/s equivalent-time sampling rate
- Large 5.7" TFT color display
- 6000-count DMM resolution
- USB host/device 2.0 interface
- **Memory:** 32K single channel, 16K at dual
- Multi-language support
- Battery power operation
- **Vertical:** Rise time <5.8ns
- **Cursors / Measurements:** Vpp, Vmax, Vmin, Vrms, Vbase, Vmid, preshoot, overshoot
- **Time Measurement:** Freq., period, rise, fall, width, duty cycle.
- **Dimension:** 245x163x52mm; 3 lbs



Part No 01DSMM1 • Price: \$395.00

FLUKE HANDHELD DIGITAL STORAGE OSCILLOSCOPE SCOPE METER® 40 MHz WITH DMM



The compact ScopeMeter 120 Series is the rugged solution for industrial troubleshooting and installation applications. It's a truly integrated test tool, with oscilloscope, multimeter and "paperless recorder in one affordable, easy-to-use instrument. Find fast answers to problems in machinery, instrumentation, control and power systems.

- Dual-input 40 MHz or 20 MHz digital oscilloscope
- Two 5,000 counts true-RMS digital multimeters
- Automatic measurements
- A dual-input TrendPlot™ recorder
- Connect-and-View™ trigger simplicity for hands-off operation
- Shielded test leads for oscilloscope, voltage, resistance and continuity measurements
- 10:1 Voltage Probe included with Fluke 124 and 125 for high frequency measurements
- Up to 7 hours battery operation
- 600 V CAT III safety certified
- Optically-isolated interface for PC connection
- Rugged, compact case
- Fluke 125 gives bus health and power measurements

Part No.	Detailed Specs Available Upon Request Description	Price
01FK124	40MHz Scopemeter®	\$1,715.00
01FK124S	40MHz Scopemeter® w/Software, Case & RS232 Cable	2,095.00

FLUKE SCOPEMETER® OSCILLOSCOPES

MODELS 190-062, 062/S, 190-202, 202/S

As the first two and four-channel portable scopes safety rated CAT III 1000V / CAT IV 600V, the new Fluke ScopeMeter®190 Series II combines an unprecedented level of performance, ruggedness, and portability. You can choose from 60MHz, 100MHz or 200MHz bandwidth models, both with real-time sampling rates up to 2.5 GS/s and 400 ps resolution to capture noise and other disturbances. Both models feature deep memory—up to 10,000 samples per channel—so you can examine very small parts of the waveform in detail. And both are IP-51 rated to withstand dust, drips, humidity, and wide temperature variations. Fluke ScopeMeter test tools are handheld battery operated, designed to meet the demands of field service professionals.



Part No.	Description	Price
01FLK190-062	Fluke 190-062 ScopeMeter® (60MHz)	\$2,895
01FLK190-062/S	Fluke 190-062 ScopeMeter® (60-MHz) with SCC-290 kit included	3,385
01FLK190-202	Fluke 190-202 ScopeMeter® (200MHz)	3,690
01FLK190-202/S	Fluke 190-202 ScopeMeter® (200MHz) with SCC-290 kit included	4,295

FLUKE HANDHELD DIGITAL STORAGE OSCILLOSCOPE SCOPE METER®

- 1.25GS/sec repetitive sampling rate
- Connect-and-View™ hands-off operation
- Dual channel TrendPlot™ for "cause & result" troubleshooting
- Single test leads for all measurements – waveform display, multiple meter readings, capacitance, resistance and continuity
- Optical-to-RS232 interface port, 600V isolation
- 2-channel, True RMS, 5000 count DMM



This 20MHz digital storage scope is the ideal choice for technicians troubleshooting industrial machinery, instrumentation, control and power systems including: AC/DC motor drives, sensors and actuators, power lines, transformers and converters, and analog and digital control loops. The patented Connect-and-View hands-off operation saves time in fault finding by providing a stable, reliable, and repeatable display of signals without touching a button. Works for even the most complex signals including motor drives and video. Dual channel TrendPlot tracks intermittents by recording readings from minutes to days with time and date stamped minimum and maximum readouts. The built-in dual channel DMM measures VDC, True RMS VAC, AC/DC current, resistance, frequency, capacitance, temperature, continuity, diode, duty cycle, pulse width, phase A to B, crest factor, dBV and dBm.

Part No.	Detailed Specs Available Upon Request Description	Price
01FK123	20MHz Scopemeter®	\$1,395.00
01FK123S	20MHz Scopemeter® w/Software, Case & RS232 Cable	1,850.00

**SUBSTITUTION BOXES,
RESISTANCE, CAP
AND INDUCTANCE**

COST EFFECTIVE

Affordable decade boxes with rugged quality and high precision. Perfect for educational use, R & D, service, production line testing and maintenance.

All Units Feature:

- Sturdy, multi-way binding posts
- Slide switches add/subtract for desired value
- Durable ABS plastic housing case

Model RBOX-408 Resistance Decade Box

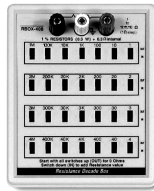
- 1 ohm to 11 Meg
- 1 ohm per step, 1% resistors 0.3W
- Seven decades of resistance

Model CBOX-406 Capacitance Decade Box

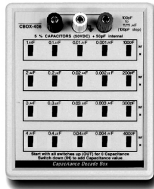
- 100 pF to 11µF
- 100 pF per step, 5% caps, 50V
- Five decades of capacitance

Model LBOX-405 Inductance Decade Box

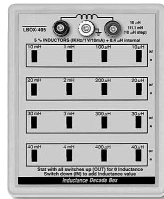
- 10µH to 111.1 mH, wide range and high resolution
- Four decades of inductance
- Slide switches that allow the user to simply add or subtract for desire value.



RBox-408



CBox-406



LBox-405

Part No.	Description	1-9	10+
01RBOX408	Res. Sub. Box	\$90.00	\$85.00
01CBOX406	Cap. Sub. Box	115.00	110.00
01LBOX405	Ind. Sub. Box	128.00	119.00



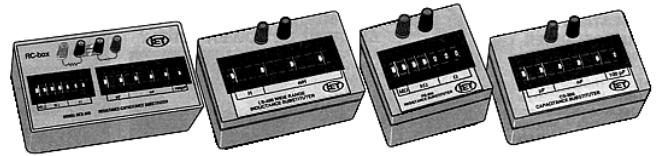
**SUBSTITUTION BOX
RESISTANCE & CAP**

- Convenient selection of standard resistors and capacitor values separately or in series and parallel RC combinations
- 36 resistor ranges in values from 15 ohms to 10M, 1 watt 10%
- 18 capacitor ranges in values from 100pf to .22 µF, 600V 10%
- Perfect for educational experiments and circuit designs.
- Compact design
- Test leads with alligator clip connectors included



Part No. 01RC10 • Price: \$170.00

**RESISTANCE, CAPACITANCE
& INDUCTANCE
SUBSTITUTION BOXES**



RC-Box

L-Box

R-Box

C-Box

Dial in the desired value using the convenient side-by-side thumb-wheel switches. Color-coded switches separate various ranges. High-impact plastic cases.

RESISTANCE

Model RS200 – 1% Accuracy

Model RS201 – 0.1% Accuracy

1Ω to 9,999,999Ω in 1Ω steps. Rated 0.5W. Residual impedance 0.3Ω. 3 1/4" x 3 1/4" x 2 1/4".

CAPACITANCE

Model CS300 – 4% Accuracy

Model CS301 – 1% Accuracy

100pF to 99.9999µF in 100pF steps. Rating 100V (20V for 10-100µF scale). Residual impedance 30pF. 4 1/4" x 3 1/4"

COMBINED RESISTANCE/CAPACITANCE

Combines the features of a resistance and capacitance. Resistance and capacitance can be used independently, in series, or in parallel. Shorting link allows them to be coupled or separated. 7 1/2" x 4 1/4" x 2 1/4"

Model RCS500

Combines the features and specifications of RS200 and CS300.

Model RCS502

Combines the features and specifications of RS201 and CS301.

INDUCTANCE

Models LS400A and LS400

Model LS400A (Standard Model) features 0-999mH in 1mH steps. **Model LS400** (Wide Range Model) features 0-9.999H in 1 mH steps. Both models have:

- 1% accuracy (1.5% max)
- Residual impedance 0.2Ω typical
- 4 3/4" x 3 1/8" x 2 1/4"

Part No.	Description	Price
01RS200	Resistance – 1% Accuracy	\$195.00
01RS201	Resistance – 0.1% Accuracy	340.00
01CS300	Capacitance – 4% Accuracy	235.00
01CS301	Capacitance – 1% Accuracy	360.00
01RCS500	Combined Resis. Capacit.– Standard Model	370.00
01RCS502	Combined Resis. Capacit. – Precision Model	680.00
01LS400A	Inductance – Standard Model	695.00
01LS400	Inductance – Wide Range Model	980.00

AC POWER SUPPLY

BK PRECISION

POWER SUPPLY/BATTERY ELIMINATOR

3.3 / 4.5 / 6 / 7.5 / 9 / 12V, 1A

MODEL 1513

This heavy duty battery eliminator can provide DC voltages up to 12 volts with a max output current of 1 amp.



Part No. 01BK1513 • Price: \$34.00

BK PRECISION

LOW COST, BATTERY ELIMINATOR POWER SUPPLIES

MODEL 1501 – 1.5V or 3V (3 Amp)

MODEL 1502 – 1.5V, 3V, 4.5V, 6V, 9V, 14V (1Amp)



Model 1501



Model 1502

- Perfect for educational use. Eliminates need for batteries for projects, kits and prototyping.
- Use to power up circuit boards for service and repair
- Assembly and quality control applications for operation parameters of equipment and final testing.

Part No.	Description	Price
01BKPS1501	Dual Voltage, 3A	\$105.00
01BKPS1502	Multi Voltage, 1A	166.00

DC POWER SUPPLY REGULATED, MULTI VOLTAGE

- Input 110/120V AC
- Multi-voltage output: 3, 4.5, 6, 7.5, 9, 12V DC with rotary selector
- Provides constant current from 0–2A
- Short circuit protection, auto thermal cut off
- Red/black binding posts for easy connection
- 3 3/4" x 4 1/4" x 2 5/8"; 2.9 lbs. compact regulated power supply
- Optional 6' cable with assorted coaxial plugs



MW122A



48-400 (opt.)

Part No.	Description	Price
01MW122A	Regulated Supply	\$24.90
0148-400	Power Cord & Plug Set	3.95

AC POWER SUPPLY

This safe, low voltage AC Power Supply features a CT transformer, panel-mounted fuse holder, on/off toggle switch, 2 wire line cord and a high impact styrene case. Output is 6.3 or 12.6V AC and is accessed from cover mounted binding posts.



Part No.	1-9	10+
3200ACPSK (Kit)	\$16.95	\$15.95
3200ACPSA (Assembled)	26.00	25.00

GLOBAL SPECIALTIES®

AC POWER SUPPLY

TRIPLE ISOLATED ADJUSTABLE AC SUPPLY with Current Indication and Line Leakage Tester

MODEL 1504 – SINGLE RANGE 0-150VAC @4A

MODEL 1505 – DUAL RANGE 0-15-VAC @ 4A; 0-260VAC @ 2A

- Triple isolated continuously variable AC output
- Variable from 0-150VAC @ 0-4A
- Power line leakage current measurement facility
- 3 digit DPM for high accuracy
- Capacitive coupling less than 0.0005pF
- Galvanic leakage less than 10µA
- 120dB attenuation for common mode noise



Model 1504



Model 1505

Part No.	Description	Price
01PS1504	Single Range	\$420.00
01PS1505	Dual Range	595.00

Global Specialties®

AC POWER SUPPLY

MODEL 1507

- Variable isolated AC output from 0 to 150VAC
- Continuous 10 Amp output current to a maximum of 1300VAC
- Variable current adjust
- Two parallel three prong AC outlets allow the unit to be used for more than one load
- Two 3.5 inch high analog meters; one monitors AC line or output voltage and the other displays output current or leakage
- Leakage indicator and reset switch
- Audible alarm to warn of "hot" chassis or shorts
- Output overload protected
- AC input fuse protected
- AC output adjustable current
- Relay with manual reset



Part No. 01PS1507 • Price: \$926.25

RSR VARIABLE AC TRANSFORMER 5 AMP AND 10 AMP MODELS

- **Input Voltage:** 110V; 5' cord with 3 prong plug
- **Output Voltage:** 0 to 130 VAC
- **Output Current:** 5 Amp / 10 Amp
- Analog Voltmeter, 3 prong output socket
- **Weight:** Model 520T-05 – 8 lbs.
Model 520T-10– 14 lbs.



Part No.	Description	Price
16VA520T05	5A, Variable AC Voltage	\$99.00
16VA520T10	10A, Variable AC Voltage	125.00



POWER SUPPLY AC/DC – VARIABLE MODEL 1315

Rugged general purpose supply offering either AC or DC variable outputs of 0-25V @ 0-5 amps. This unique power supply is a low-cost space-saving solution for applications requiring both AC and DC voltages, covering a wide range of testing situations.



Features:

- 0-25V @ 5 amp variable AC or DC output
- AC or DC selection switch
- Input surge suppressor input fuse protected and output overload trip
- Power on/off switch with power on LED indicator
- Heavy duty transformer
- Regulated AC $\pm 10\%$
- DC Ripple $\leq 1V$

Part No. 01PSGS1315 • Price \$335.00

BK PRECISION

AC POWER SUPPLY MODEL 1655A

- Variable isolated 0-150V AC, 3 A continuous, 4 A intermittent
- Power line leakage tester
- Circuit breaker overload protection
- Displays volts, amps, VA, leakage



Part No. 01PS1655 • Price: \$579.00

AC/DC POWER SUPPLY

- 12.6VAC @ 1A, unregulated
- 3 to 12V DC @2A fixed DC output of 3V, 4.5V, 6V, 7.5V, 9V, 12V
- Size: 6" x 4³/₄" x 3"
- Weight: 1.5lbs



Part No. 01PS38 • Price \$32.90

RSR AC/DC POWER SUPPLY 2A/4A MODELS

- AC and DC outputs (DC regulated)
- DC output 1.5 to 24V in 11 steps
- AC output 2V to 24V in 11 steps
- Protection: DC output current limit, AC input fuse
- DC Line Regulation: 3%
- DC Load Regulation: 5%
- DC Ripple Voltage: 10mV
- Dimensions: 200(W) x 220(D) x 155(H) mm
7.9(W) x 8.7(D) x 6.1(H) inches
- Weight: 24 lbs (2A Model); 18 lbs. (4A Model)



Part No.	Current	Price
01PSACDC1	2A	\$95.00
01PSACDC2	4A	105.00

AC/DC POWER SUPPLY

- Both AC and DC output (DC regulated)
- Output 1–15V in 15 steps
- Overcurrent protection
- Transformer thermal protection
- DC Load and Line Regulation: 1% ea.
- Input Voltage: 110-127V AC



Part No.	Output Current	Price
01PSM10AD350M-5	5A	\$175.00
01PSM10AD350M-10	10A	210.00

BK PRECISION AC POWER SUPPLY

MODEL 1653A

- Variable isolated 0-150V AC, 2 A continuous
- Displays voltage or current readings
- Isolation transformer to eliminate shock hazard
- Compact & rugged



Part No. 01PS1653 • Price: \$349.00

DC POWER SUPPLY

POWER SUPPLY DC 3V TO 12V @ 2A

- Fixed DC output of 3V, 4.5V, 6V, 7.5V, 9V, 12V
- Size 6" x 4" x 2.2"
- Wt: 1 lb.



Part No.	Description	1-9	10+
01PS28	3 to 12V @ 2A	\$18.90	\$17.90

RSR—TRIPLE OUTPUT POWER SUPPLY

ENHANCED DISPLAY FEATURES HIGH RELIABILITY AND QUALITY

MODELS PW3033 AND PW3066

Four digital displays enable user to measure both voltage outputs (green) and both current outputs (red) at the same time. Sleek, easy viewing design.



- Two 0 ~ 30V, 0-3A outputs and one 5V fixed, 0 ~ 3A output.
- Large, green digital displays measure voltage. Red displays for current. Accuracy <0.1% + 2 digits.
- 0.01% voltage regulation.
- Ripple and noise <1mVrms.
- LED indicators for series and parallel operation.
- Hide-a-way carry handle.
- High efficiency heatsink.
- Torroidal transformer version available

Part No.	Description	Price
01PSPW3033	Model 3033	\$345.00
01PSPW3066	Toroidal Xfmr Version	425.00

RSR—DC POWER SUPPLY

TWO OUTPUT UNIT

ENHANCED DISPLAY FEATURES HIGH RELIABILITY AND QUALITY

MODELS PW3032 AND PW3044

Sleek, streamline design features large, easy-viewing digital displays in green (volts) and red (amps), for monitoring voltage and current simultaneously. The PW3032 offers both a 0 ~ 30V, 0 ~ 3A output plus a fixed 5V, 0 ~ 3A output. Maximum continual output power 105VA.



- .01% regulation.
- **Ripple and noise:** 3mVrms.
- **Display accuracy:** <0.1% + 2 digits.
- **Dimensions:** W=230m, H=170m, D=310m.
- Power source voltage selectable for both 115V or 220V.
- Torroidal transformer version available

Part No.	Description	Price
01PSPW3032	Model PW3032	\$180.00
01PSPW3044	Toroidal Xfmr Version	210.00

RSR—DC POWER SUPPLY VARIABLE

LED DISPLAY – 0–50V; 0–3A

- Constant voltage and constant current operation
- **Voltage Adjustable** 0 to 50V
- **Current Adjustable** 0 to 3A
- **Load Regulation:** ±2mV
- **Current Regulation:** ±3mA
- **Weight:** 14 lbs.



Part No. 01PSSP503E • Price: \$145.00

RSR—DC POWER SUPPLY

MODEL NO. 3010 / 3040

The 3010 DC Power Supply features 3 regulated DC supply outputs. One output is fixed and 2 are continuously variable. All 3 supplies are fully current limited and shortcircuit protected. Available assembled or in kit form.

SPECIFICATIONS:

Fixed Output:

- 5V DC at 3 amps maximum,
- line regulation of 0.2%,
- load regulation of 1% with a maximum ripple of 10mV p-p.

Variable Output:

- ± 1.5V DC to ±15V DC at 1 amp maximum, line regulation of 0.5%, load regulation of 1% with maximum ripple of 10mV p-p.



MODEL NO. 3040

With extra 30VAC OT output. Available only as a kit.

Part No.	Price
01PS3010A (Assembled)	\$79.00
01PS3010K (Kit)	67.90
01PS3040K (Kit)	73.90

(w/extra 30V AC Output)

RSR—HIGH CURRENT VARIABLE SWITCHING MODE SUPPLIES

MODEL HY3010 – 10 AMP UNIT (0-30V)

MODEL HY3020 – 20 AMP UNIT (0-30V)

- Variable DC volts 0~30 volts
- Variable current:
0 ~10 Amp (HY3010)
0 ~20 Amp (HY3020)
- LED digital displays for both current and voltage
- Constant voltage and current operation
- Current limiting and short circuit



Part No.	Description	Price
01PHSY3010	10 Amp High Current Supply	\$149.00
01PHSY3020	20 Amp High Current Supply	266.00

RSR—VARIABLE DC POWER SUPPLY

ANALOG DISPLAY

MODEL 3003M, 3005M

0–30V; 0–3A/0–5A; +5V @ 1A fixed

- Two analog panel meters
- Constant voltage and constant current operation
- Overload and reverse polarity protection
- High power density



Part No.	Description	Price
01MP3003M2	0–30V; 0–3A; 5V@1A Fixed	\$90.00
01MP3005M2	0–30V; 0–5A; 5V@1A Fixed	145.00

RSR  **TRIPLE OUTPUT DC POWER SUPPLY**



LED DISPLAY

MODEL HY3002-3 – 0–30V; 2A
MODEL HY3003-3 – 0–30V; 3A

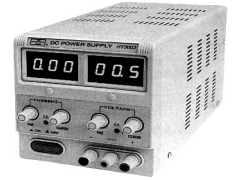
- Two 0-30V; variable voltages (Models HY3002-3 and HY3003-3)
- **Variable Current:**
 0–2A dc (Model HY3002-3)
 0–3A dc (Model HY3003-3)
- Serial and parallel operation for double of normal outputs.
- 5V @ 3 A fixed output. (Both Models)
- **Load Effect:** .01% +5mV
- **Source Effect:** .02% +1mV
- Current limiting and short circuit protection.
- LED display
- **Dimensions:** 14.3" x 10.5" x 6.5"
- **Weight:** ~26 lbs.



Part No.	Description	Price
01PHSY3002-3	Two 0-30V @ 0-2A +5V @ 3A Fixed	\$158.00
01PHSY3003-3	Two 0-30V @ 0-3A; +5V @ 3A Fixed	184.00

RSR  **VARIABLE DC POWER SUPPLIES LED/LCD DISPLAY**

- Voltage Adjustable
 0-30V (Models HY3003 & HY3005)
- Current adjustable 0-3 Amp (Model HY3003)
- Current adjustable 0-5 Amp (Model HY3005)
- LED displays for both current and voltage.
- Constant voltage and current operation.
- **Load Effect:** .01% ± 5mV
- **Dimension:** 11" x 6.3" x 5.3"
- **Weight:** ~13 lbs.



MODEL HY3003 – 0–30V; 3A
 MODEL HY3005 – 0–30V; 5A

Part No.	Description	Price
01PHSY3003	Voltage 0-30V; Current 0-3A LED display	\$95.00
01HY3003D	Voltage 0-30V; Current 0-5A LCD display	\$105.00
01PHSY3005	Voltage 0-30V; Current 0-5A LED display	115.00
01HY3005D	Voltage 0-30V; Current 0-5A LCD display	125.00

RSR  **VARIABLE DC POWER SUPPLY LED DISPLAY**

0-50V; 3A

- Adjustable voltage (0-50V).
- Adjustable current (0-3A).
- LED displays for both current and voltage.
- Constant voltage and current operation.
- **Load Effect:** .01% ± 5mV
- **Dimension:** 11" x 6.3" x 5.3"
- **Weight:** ~13 lbs.

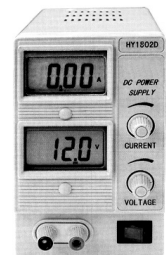


Part No.	Description	Price
01PHSY5003	Voltage Variable 0-50V; Current Variable 0-3A	\$125.00


RSR  **VARIABLE DC POWER SUPPLY LCD DISPLAY**

MODEL HY1802D – 0-18V; 0-2A
MODEL HY1803D – 0-18V; 0-3A

- **Voltage Adjustable:** 0–18Vdc
- **Current Adjustable:**
 0–2A (HY1802D); 0-3A (HY1803D)
- Constant voltage or current operation
- LCD displays both current and voltage
- Current limiting and short circuit protection.
- **Load Effect:** ≤ 0.01% + 5mV
- **Dimensions:** 9" x 6.3" x 3.7"
- **Weight:** ~10 lbs.



Part No.	Description	Price
01PHSY1802D	0-18V; 0-2A	\$58.95
01PHSY1803D	0-18V; 0-3A	68.95

RSR  **TRIPLE OUTPUT POWER SUPPLY TWO 0-30V; 0-5A 5V @ 3A FIXED**

- Two 0-30V; 0-5A variable output.
- Serial and parallel operation for double of normal outputs.
- 5V @ 3 A fixed output.
- **Load Effect:** .01% +5mV
- **Source Effect:** .02% +1mV
- LED display
- Current limiting and short circuit protection.
- **Dimensions:** 14.3" x 10.5" x 6.5"; **Weight:** ~26 lbs.



QUAD DISPLAY HY3005F-3

Part No.	Description	Price
01PHSY3005-3	Two 0-30V @ 0-5A; +5V @ 3A Dual Displays	\$225.00
01HY3005F-3	Two 0-30V @ 0-5A; +5V @ 3A Quad Displays	\$235.00

QUAD POWER SUPPLY

- One variable & Three fixed supplies
- 0 to 20V @ 2A; +5V @ 3A; +12V @ 1A and -12V @ 1A
- Fully regulated + short circuit protected
- Voltage + current meters



Part No. 01QPS1 • Price \$85.95

DC POWER SUPPLY

BK PRECISION

POWER SUPPLY

TRIPLE OUTPUT DIGITAL

MODEL 1652

- Two 0 to 24V DC variable outputs (0.5A)
- One fixed 5V output @ 4 amps
- Independent or tracking operation
- Designed to operate continuously at rated output
- Short circuit, overload and reverse polarity protection
- Connect outputs in series for higher output voltage or parallel for higher output current (switch selectable)
- Easy to read digital meter that displays voltage or current
- **Dimensions:** 5.5" x 6.0" x 10.5"; **Wt.:** 12 lbs.



Part No. 01PS1652 • Price \$479.00

BK PRECISION

DC REGULATED POWER SUPPLIES

MODEL 1665 – 1 ~ 20V, 0 ~ 10A

MODEL 1666 – 1 ~ 40V, 0 ~ 5A

MODEL 1667 – 1 ~ 60V, 0 ~ 3.3A

- Digital display read-out
- Over voltage protection
- Constant voltage/current operation
- Preset current limiting
- Short circuit temperature
- 90 ~ 265VAC 50/60 Hz input voltage



Model 1666

Part No.	Description	Price
01BKPS1665	20V, 10A	\$269.00
01BKPS1666	40V, 5A	269.00
01BKPS1667	60V, 3.3A	269.00

BK PRECISION DIGITAL DC POWER SUPPLY 0-35V, 0-10A

MODEL 1745A

- Four digit LED display that allows you to see 10mV and 1mA resolution
- Output shorting button that allows the user to short the output terminals to set the current limit
- **Dimension:** 5.7" x 10.5" x 15"
- **Weight:** 27 lb. (12.25 kg) approximately



Part No. 01BK1745 • Price \$749.00

BK PRECISION

POWER SUPPLY TRIPLE OUTPUT

MODEL 1651A



- Two 0 to 24 VDC outputs (0.5A)
- One fixed 5V output (4A)
- Independent or tracking operation
- Adjustable current limiting
- Designed to operate continuously at rated output
- Short circuit, overload, and reverse polarity protection
- Connect outputs in series for higher voltage output or parallel for higher current output (switch selectable)

Part No. 01PS1651 • Price: \$469.00

BK PRECISION

POWER SUPPLY TRIPLE OUTPUT

MODEL 1760A



- Two 0-30V DC, 2A sections capable of independent, series or parallel operation
- One 4-6.5V DC, 5A section
- Switchable series/parallel operation on 30V sections
- Adjustable current limit controls on 30V sections
- Two 3-digit LED displays
- Unique variable tracking, B tracks A at 5% to 100%

Part No. 01PS1760 • Price: \$679.00

BK PRECISION

POWER SUPPLIES

- All models are backed by BK Precision's 2-year warranty
- All models have short circuit protection, overload protection, reverse polarity protection, thermal protection & current limiting
- All models have CV & CC operation
- Excellent regulation & very low ripple
- Operate continuously at full load without overheating
- Coarse & fine voltage controls

Part No.	Model	Description	Price
01PS1710	1710A	0-30V DC, 0-1A, analog readout	\$265.00
01PS1715	1715A	0-60V DC, 0-2A, LED readout	435.00
01PS1730	1730A	0-30V DC, 0-3A, analog readout	349.00
01PS1735	1735A	0-30V DC, 0-3A, LED readout	409.00
01PS1743	1743B	0-35V DC, 0-6A, LED readout	569.00
01PS1746	1746B	0-16V DC, 0-10A, analog readout	495.00



Models 1715A 1735A



Models 1710A, 1730A



Model 1746B

VIZATEK DC POWER SUPPLIES LED DISPLAY

MODELS 6003L-1, 6005L-1

0-60V; 0-3A / 0-5A

- Adjustable Voltage: 0-60V
- Adjustable Current: 0-3A or 0-5A
- Constant voltage and current operation
- Overload and reverse polarity protection
- High power density



6003L-1



6005L-1

Part No.	Description	Price
01PSM6003L1	0-60V; 0-3A	\$130.00
01PSM6005L1	0-60V; 0-5A	205.00

RSR DUAL OUTPUT DC POWER SUPPLIES

MODELS 3003LK-2, 3005LK-2, 6003LK-2

**0-30V / 0-60V; 0-3A / 0-5A
+5V @ 1A fixed**

- Two digital panel meters (LED)
- Constant voltage and current operation
- Output switch off function (output standby)
- Overload and reverse polarity protection
- High power density



Part No.	Description	Price
01PSM3003LK2	0-30V; 0-3A; 5V@1A Fixed	\$119.00
01PSM3005LK2	0-30V; 0-5A; 5V@1A Fixed	135.00
01PSM6003LK2	0-60V; 0-3A; 5V@1A Fixed	145.00

POWER SUPPLIES



GP4303D



GP305

- | | |
|--|--|
| <ul style="list-style-type: none"> • Compact size and light weight • Digital or analog metering • Built-in current limiting | <ul style="list-style-type: none"> • Overload protection circuit • Constant voltage and constant current operation |
|--|--|

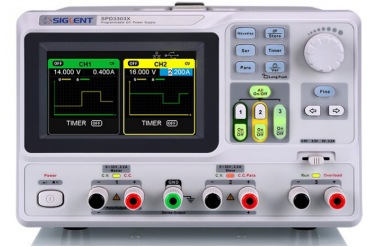
Part No.	Description	Price
01PSGP4303D	0 - 30V DC, 0 - 3A, Digital	185.00
01PSGP305	0 - 30V DC, 0 - 5A, Analog	295.00

SIGLENT® POWER SUPPLIES

TRIPLE OUTPUT PROGRAMMABLE

1mV/1mA; 10mV/10mA

Siglent's SPD3000X Series Linear Programmable DC Power Supply has three isolated outputs: two adjustable channels and one selectable channel from 2.5v, 3.3V, and 5V. It also has output short and overload protect function, and can be used in production and development.



Features:

- 3 independent controlled and isolated output, 2@32V/3.2A adj.; 1@2.5/3.3/5V@3.2A fixed total 220W.
- 5 digits Voltage, 4 digits Current Display, Resolution: 1mV/1mA (SPD3303X), 10mV/10mA (SPD3303X-E)
- Supports panel timing output functions.
- 4.3 inch true color TFT- LCD 480x272 pixel display.
- 3 kinds of output modes: independent, series, parallel.
- 100V/120V/220V/230V compatible design to meet the needs of different power grids.
- Clear graphical interface, with the waveform display function
- Internal 5 groups of system parameter save/recall, supports data storage space expansion.
- Provides PC software: Easypower, supports SCPI, Labview driver.

Part No.	Description	Price
01SPD3303X-E	Triple Output; 10mV/10mA	\$389.00
01SPD3303X	Triple Output; 1mV/1mA	\$539.00

GWINSTEK POWER SUPPLIES

- Light compact design
- 0.01% regulation
- Constant voltage and constant current operation
- Series or parallel operation function
- Low ripple and noise ($\leq 0.5mVrms$)
- Overload and reverse polarity protection
- Analog — voltmeter and ammeter
- Digital — 3 1/2 Digit 0.5" LED display
- "DD" model — Two digital displays enables viewing of voltage and current at the same time



Model 3030D

Part No.	Description	Price
01PS1830D	0-18VDC, 0-3A; Digital	\$189.00
01PS1850D	0-18VDC, 0-5A; Digital	189.00
01PS3030D	0-30VDC, 0-3A; Digital	189.00
01PS3030DD	2 Digital Displays; 0-30VDC, 0-3A	225.00

GWINSTEK POWER SUPPLY

10 AMP 0-18 VOLT

MODEL GPR1810 HD

- Adjustable Output 0-10 Amp; 0-18 Volt
- 0.01% Regulation
- Constant Voltage / Current Operation
- Continuous or Dynamic Load
- Low Ripple and Noise



- Overload and reverse Polarity Protection
- Digital Display (3 1/2 Digit, 0.5" Ht.)
- 2 Year Warranty

Part No. 01GPR1810HD • Price: \$360.00

DC POWER SUPPLY

BK PRECISION HIGH CURRENT DC POWER SUPPLIES – FIXED

Ideal for powering ham radios, cellular phones, car stereos, and other mobile electronics

- 13.8 volts DC output (fixed)
- Current foldback overload protection
- Short circuit protection
- Reverse polarity protection

MODEL 1680

- 6 amps peak
- Convenient cigar lighter output

MODEL 1682A

- 15 amps peak
- Thermostatically controlled cooling fan



Model 1680



Model 1682A

Part No.	Price
01PS1680	\$59.00
01PS1682	135.00

RSR 12 VOLT 20 AMP REGULATED SUPPLY WITH CURRENT METER & BUILT-IN COOLING FAN

MODEL PS21KX

- Input: 115VAC, 60Hz, 450W
- Output: 13.8VDC
- 18 Amp constant, 20 Amp surge
- Short circuit, thermal & fuse protected
- Over-voltage/overload protection with auto-reset
- Heavy duty cabinet & heatsink
- Applications: cellular, CB, scanners, ham, lab, shop, hobby



Part No. 01PS21KX • Price \$125.00

BK PRECISION PROGRAMMABLE SWITCHING POWER SUPPLIES

MODEL 1696 – 1 ~ 20VDC, 0 ~ 10A

MODEL 1697 – 1 ~ 40VDC, 0 ~ 5A

MODEL 1698 – 1 ~ 60VDC, 0 ~ 3.3A

- RS232 interface, data logging
- Output disable, timer
- Lightweight 6.6 lb.
- Input voltage 90 ~ 265VAC 50/60 Hz
- 25mV ripple and noise, 50mV regulation



Model 1696

Part No.	Description	Price
01BKPS1696	20V, 10A	\$375.00
01BKPS1697	40V, 5A	355.00
01BKPS1698	60V, 3.3A	375.00

BK PRECISION

4 DIGIT TRIPLE POWER SUPPLY 0-35V (2) @ 3A; 2V-6.5V@5A – MODEL 1761

BK Precision's new Model 1761 Triple Output DC Power Supply offers two outputs with 0 to 35V, 0 to 3A and one 2 to 6.5V, 0 to 5A output with two 4 digit LED displays. The 4 digit LED displays offer 10mV and 1mA resolution which provide higher accuracy. This makes it an ideal supply for power sensitive applications. The 1761 is fully overload protected and comes with a two year warranty.



- Continuously monitor voltage and current output on two 4-digit LED displays
- Connect two supplies in parallel to double the current output
- Connect two supplies in series to double the voltage output
- Reliable, Durable
- Operate continuously at full load without overheating
- Fully overload protected
- Coarse and fine voltage controls
- Excellent regulation
- Very low ripple
- Constant voltage or constant current operation

Part No. 01BK1761 • Price: \$709.00

BK PRECISION DC POWER SUPPLIES 1620A SERIES MODELS

- Full overload protection: current limiting, reverse polarity, over-voltage, short circuit.
- Constant voltage / current.
- Low ripple and noise.
- Operation at full current without over-heating.
- Series or parallel connection.
- Coarse and fine voltage controls.
- Analog and digital models.

Part No.	Description	Price
01PS1621	0-18V 0-5A Digital	249.00
01PS1623	0-60V 0-1.5A Digital	245.00
01PS1627	0-30V 0-3A Digital	265.00



BK PRECISION TRIPLE OUTPUT DC POWER SUPPLY – MODEL 1670A

IDEAL FOR GENERAL ELECTRONIC SERVICING, SCHOOL ELECTRONICS LABS, AND POWERING UP HOBBYISTS PROJECTS

- One variable 0-30 VDC, 2.5 A section
- One 12 VDC fixed section
- One 5 VDC fixed section



Part No. 01PS1670 • Price: \$188.00

BK PRECISION

TRIPLE OUTPUT POWER SUPPLY QUAD DISPLAY – MODEL 1672

- Two 0-32V DC variable (0 to 3A) and one fixed 5V @ 3A.
- Independent control of voltage and current.
- CV/CC operation.
- Series tracking and parallel mode operation for triple output unit.
- Four separate 3-digit displays for voltage and current.
- Overload indication LED for fixed output.
- LED indication for CV (green) / CC (red) mode.
- Features current limiting, reverse polarity, over voltage and short circuit protection.
- Dimensions: 178mm x 310mm x 230mm; Wt. 7.48 kg.



Part No. 01BK1672 • Price: \$489.00

RIGOL POWER SUPPLIES

140W / 160W / 195W / 200W

The DP800 Series is a family of linear power supplies systems with 1, 2, or 3 outputs and up to 200 Watts in total. With one channel isolated users can reconfigure instruments into any number of systems or applications. Built in V, A, and W measurements make power monitoring easy, but additional wave tracking, timing, and analysis features in the advanced A series supplies means there are even more ways to use the instruments.



831A, DP832A offer higher Voltage or Current Resolution

Features:

- Low Ripple Noise <350 uVrms/2mVpp
- Fast transient response time: <50 us
- Channel isolation: CH1 || CH2,CH3
- OVP/OCV/OTP protection functions
- Support for output Delay, Analysis, Monitor, and Preset functions
- 3.5 inch TFT Display
- Connectivity including USB Host & Device, LAN, and Digital IO

Part No.	Description	Price
01DP811	200W Single Output, Dual Range	\$586.00
01DP811A	200W Single Output, Higher Res.	\$910.00
01DP821	140W Dual Output	\$586.00
01DP821A	140W Dual Output, Higher Res.	\$870.00
01DP831	160W Triple Output	\$450.00
01DP831A	160W Triple Output, Higher Res.	\$790.00
01DP832	195W Triple Output	\$450.00
01DP832A	195W Triple Output, Higher Res.	\$800.00

GW INSTEK PROGRAMMABLE, LINEAR POWER SUPPLIES

GPD 2303S - two output, 1mV resolution
CH1: 0~30V, 0~3A CH2: 0~30V, 0~2A

GPD 3303S - Three output, 1mV resolution
CH1: 0~30V, 0~3A CH2: 0~30V, 0~2A; CH3: 2.5/3.3/5.0V, 0~3A

GPD 3303D - three output, 100mV resolution
CH1: 0~30V, 0~3A CH2: 0~30V, 0~2A CH3: 2.5/3.3/5/5.0V, 0~3A

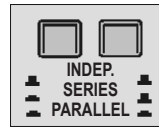
GPD 4303S - four output, 1mV resolution
CH1: 0~30V,0~3A ; CH2: 0~30V, 0~2A; CH3: 2.5/3.3/5.0V, 0~3A CH4 0~5V, 0~1A



- Programmable, Linear DC power supplies. High resolution models with 2, 3 and 4 output options for your selections.
- USB interface, 4 LED display sets
- Tracking series and parallel modes
- Min resolution 1mV/1mA all models but GPD3303D 100mV 10mA
- Key-lock, warning buzzer
- Save, recall panel settings and via USB remotely control for specific application needs
- Coarse and fine control

Part No.	Description	Price
01GPD2303S	Two output, 1mV, 180W	\$385.00
01GPD3303S	1mV Resolution	\$475.00
01GPD3303D	100mV Resolution	395.00
01GPD4303S	Four output, 1mV, 195W	545.00
01GTL242	USB Cable	9.90

GW INSTEK GPS SERIES MULTI-OUTPUT DC POWER SUPPLIES



- Models available with two, three and four outputs
- High quality, affordable pricing
- Quad, 3 digit LED displays for simultaneous viewing of 2 channels
- Channel viewing is front panel switch selectable. Voltage displayed in green, current in red
- Stable and clean power. 0.01% load and line regulation. Low ripple and noise
- Tracking operation and automatic series/parallel feature extend ratings to 60V / 3 Amp and 30V / 6 Amp
- Overload/reverse polarity protection
- Input voltage selectable 110V/120V, 220V/230V



Model GPS 2303



Model GPS 3303



Model GPS 4303

MODEL GPS 2303 – TWO independent, variable voltage and current **outputs**. Two variable 0 ~ 30V, 0 ~ 3A outputs. Operating in series mode doubles voltage output rating to 0 ~ 60V, while operating in parallel mode doubles current rating to 0 ~ 6 Amp.

MODEL GPS 3303 – THREE independent voltage and current **outputs**. Two variable 0 ~ 30V, 0 ~ 3A outputs, plus a Fixed 5V @ 3 A channel. Operating in series mode doubles voltage on variable channels to 0 ~ 60V, while parallel mode offers 0 ~ 6 Amp current rating.

MODEL GPS 4303 – FOUR independent, voltage and current **outputs**. Two variable 0~30V, 0 ~ 3A outputs, plus two additional channels. Channel 3 offers variable voltage 2.2V ~ 5.2V @ 1 Amp fixed, and channel 4 is variable voltage 8V ~ 15V @ 1 amp fixed.

Part No.	Description	Price
01GPS2303	(2) 0 ~ 30V, 0 ~ 3A Outputs	\$355.00
01GPS3303	(2) 0 ~ 30V, 0 ~ 3A Outputs (1) 5V @ 3A Fixed Output	395.00
01GPS4303	(2) 0 ~ 30V, 0 ~ 3A Outputs (1) 2.2V ~ 5.2V @ 1A Fixed (1) 8V ~ 15V @ 1A Fixed	420.00

GW INSTEK TRIPLE OUTPUT POWER SUPPLIES – GPC MODEL SERIES

STANDARD FEATURES FOR ALL GPC SERIES MODELS

- Triple output, 5V fixed @ 3A (In addition to dual variable outputs)
- Auto tracking
- Auto series and parallel operation
- Low ripple and noise
- Constant voltage / current operation
- Selectable continuous / dynamic load
- Overload and reverse polarity protection



* 3060 and 6030 Models are special order, 8-12 week delivery.

Part No.	Description	Price
01GPC1850D	(2) 0~18V, 0~5A Outputs, Digital	\$435.00
01GPC3030D	(2) 0~30V, 0-3A Output, Digital	435.00
01GPC3060D	(2) 0~30V, 0-6A Outputs, Digital	780.00
01GPC6030D	(2) 0~60V, 0-3A Outputs, Digital	780.00

DC POWER SUPPLY



SWITCHING MODE POWER SUPPLIES

30 AMP, 20A, 15A, 10A, 6A MODELS

Features:

- Temperature controller cooling fan
- Constant voltage/ current operations
- Excellent load, line & ripple specs
- 3 digit red, LED displays for both voltage & current
- Coarse & fine voltage controls
- Switching mode design provides high power efficiency
- Short circuit and overload protection



Part No.	Description	Price
01PS1230	30A, 12V switching supply	\$489.00
01PS1820	20A, 18V switching supply	489.00
01PS2415	15A, 24V switching supply	489.00
01PS3610	10A, 36V switching supply	469.00
01PS6006	6A, 60V switching supply	469.00

BK PRECISION MULTI RANGE DC SUPPLY

60V, 5A, 100/180W

Models 9110 and 9111 are a new type of power supply. Unlike conventional power supplies with fixed output ratings, they automatically recalculate voltage and current limits for each setting, providing any Volt/Amp combination within the rated power. By providing greatly expanded choices of maximum power Volt/Amp combinations, users can cut down on the number of power supplies required and free up valuable bench space.



- Output rating up to 180W within 60V / 8A (model 9111) or 100W within 60V / 5A (model 9110)
- Digitally controlled, multi-ranging output
- 10mV / 1mA resolution over the full range
- Low ripple and noise
- OCP, OVP and OTP protection
- Output On/Off control
- Store and Recall 4 x 100 groups of preset Volt / Amp values
- Wt: 8lbs (9110); 10lbs (9111)

Part No.	Description	Price
01BK9110	60V, 5A, 100W Model 9110	\$260.00
01BK9111	60V, 8A, 180W Model 9111	\$350.00

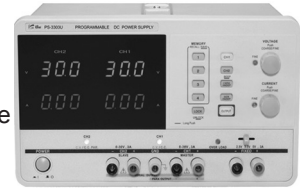


PROGRAMMABLE TRIPLE OUTPUT POWER SUPPLIES

WITH USB INTERFACE OPTION

Features:

- 3 Amp or 5 Amp models
- USB interface models available
- 2 (0~30V) variable outputs, plus one fixed output selectable at either Four convenient panel save and recall settings
- Minimum resolution: 100mV / 10mA
- Panel lock and output standby functions
- Preset voltage, current and password
- Constant voltage and current, low ripple & noise low temperature drift
- Non-USB models available at lower cost



Part No.	Description	Each
01PS3303USB	3A Programmable PS w/USB	\$449.00
01PS3305USB	5A Programmable PS w/USB	499.00
01PSUNI3303	3A version without USB	349.00
01PSUNI3305	5A version without USB	399.00

BK PRECISION DC POWER SUPPLIES

HIGH CURRENT – MODELS 1685B, 1687B, 1688B

- USB/ Software for remote control & externally timed programming
- Rotary encoder control knobs for fast settings, dual action push button enables user to set both coarse and fine volt & current levels
- Save up to 3 user-defined presets for easy recall
- Overvoltage, overtemperature & overload protection



Part No.	Description	Price
01BK1685B	1~60V,0~5 amp w/ USB/software	\$305.00
01BK1687B	1~36V,0~10 amp w/ USB/software	\$305.00
01BK1688B	1~18V,0~20 amp w/ USB/software	\$305.00
01BK1900	1~16V,0~60 amp	\$562.00
01BK1901	1~32V,0~20 amp	\$562.00
01BK1902	1~60V,0~50 amp	\$562.00

BK PRECISION SWITCHING MODE DC SUPPLY 40A

MODEL 1692

- Variable voltage output 3VDC to 15VDC, or fixed 13.8VDC.
- Up to 40A continuous operation.
- Maximum current output continuously without thermal drifting.
- Compact and light (7.7 lb.). 8.67" x 4.33" x 11.82".
- Highly readable bright red and green digital displays.
- Extensive filtering from RFI. Specifically designed for use with radio equipment. Other applications include car battery substitution for servicing or demonstrating high-power car stereos and cell phone products.



Part No. 01PS1692 • Price: \$295.00