



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PB-507

Advanced Analog & Digital Electronic Design Workstation

The PB-507 contains the following modules:

DC Power Supply*

AC Power Supply

Function Generator*

Pulse Generator*

Frequency Counter*

Logic Indicators

Logic Probe

Hex to 7 Segments Decoder

Debounced Pushbuttons

Logic switches

SPDT switches

BNC connectors

Potentiometers

Speaker

*Active module that functions with LCD



Features:

- LCD displays the settings from each active module
- USB connection enables viewing and controlling from a PC
- Choose your power source: 6.3/12.6 V AC power, 5 V DC or variable ± 20 V DC
- Draw power from banana plug connections or the tie-point power supplies above each breadboard bus strip
- Powerful 1 MHz bandwidth Function Generator with sine, triangle, and square wave outputs
- Pulse Generator operates like a second, independent Function Generator where you can modify the duty cycle between 10 to 90%
- Frequency Counter module reports on the output of your own specially designed circuits
- Flush-mounted, removable circuit breadboard with over 4,100 contact points

Overview:

The PB-507 Advanced Analog & Digital Electronic Design Workstation, is a powerful, versatile tool for circuit designers, engineers, technicians, students, and hobbyists. All digital controls, USB port, and a wide choice of built-in circuit accessories allow rapid and accurate construction of virtually any type of analog or digital circuit.

New on the PB-507 is an LCD that displays the settings for the active module selected. Simply touch a control element and the LCD switches to that module and displays its settings. Use the USB connection on the PB-507 to control or view the module's values from a PC. Using this feature you can project the controls to a large viewing screen for a classroom to observe and follow.

The breadboard area is the largest in our trainer family and is removable for easy replacement.

The PB-507 is designed to withstand the toughest treatment. It is constructed with the highest quality components for many years of reliable service. The all-digital circuitry allows for easy function verification and calibration.

Included Accessories:

PC Software

Manual

Power Cord

USB Cable

Calibration Adaptors

Specifications:

Power	3-wire AC Input with 110 V/220 V Selector Switch
Power Supplies	Fixed 5 VDC @1 A Variable DC - Positive: 0 V to +20 V @0.5 A Variable DC - Negative: 0 V to -20 V @0.5 A Fixed AC - 12.6 V Center-tapped @ 100 mA
Computer Interface	USB 2.0
Function Generator	0.1 Hz to 1 MHz selectable in 7 ranges Output Voltage: 0 to + 10 V (20 Vp-p) Output Impedance: 600 Ω Output Waveforms: Sine, Square, Triangle, TTL
Pulse Generator	Frequency Range: 0.1 Hz to 1 MHz in 7 ranges Output Mode: TTL or CMOS (switch selectable) Output Voltage: 0 to 15 Vp-p Duty cycle range: 10 to 90%
Frequency Counter	Frequency Range 0.1 Hz – 1 MHz
LCD Display	LCD Display: Reads Volts, Amps & Frequency
7 Segment Display	(2) BCD to 7 Segment Display Circuits
Logic Indicators	8 Bicolor LEDs: Red (High) and Green (low)
Logic Probe	TTL/CMOS compatible Logic Probe
Logic Switches	(8) Individual Logic Switches
Speaker	0.25 W, 8 Ω
Debounced Pushbuttons	(2) Open Collector Output Pulsers
Switches	(2) Single Pull Double Throw (SPDT)
BNC Connector	(2) BNC Connectors
Potentiometers	1K & 10K Uncommitted
Breadboard	4150 tie points, removable
Voltage Distribution Bus	Tied directly to Power Supply Outputs
Dimensions	5.5" x 16.5" x 12.75" (H x W x D)
Weight	14.5 lbs
Warranty	Limited three-year warranty

Specifications subject to change without notice. Go to globalspecialties.com for the latest update.

Optional Accessories

WK-1: Jumper Wire Kit, 350 pieces

WK-2: Jumper Wire Kit, 140 pieces

WK-3: Jumper Wire Kit, 70 pieces

WK-4: Wire Jumper Kit, 100 wires with machined tips

GSPA Series: Prototyping adaptors

GSPA-K1: Surface mount to DIP adaptor kit, 6 adapter boards

GSPA-K2: Surface mount to DIP adaptor kit, 11 adapter boards

GSA-3185: Minipro Test Clip Set




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