

Specifications:

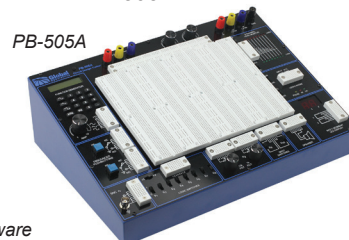
All specifications apply to the units after a temperature stabilization time of 20 minutes over an ambient range of 20 °C ± 5 °C.

Model	PB-505A
Power Source	AC Line: 115 VAC @ 60 Hz or 230 VAC @ 50 Hz (switchable)
Power Supplies	Fixed DC: +5 VDC 1.0 A max. (current limited); Ripple, <5 mV Variable + DC: +1.3 VDC ±0.05 V @ 150 mA to +15 VDC @ 500 mA, Ripple < 5 mV Variable - DC: -1.3 VDC ±0.05 V @ 150 mA to -15 VDC @ 500 mA, Ripple < 5 mV Fixed AC: 12.6 VAC center-tapped @ 100 mA
Binding Posts	4 Power Supply Outputs: Ground, +5 VDC, Variable ±VDC, and AC Transformer central tapped (3 posts)
Pulsers	2 Pushbutton-operated / open collector output pulsers. Each with 1 normally open output and 1 normally closed. Each output sinks up to 250 mA
Logic Probe	Detects Logic High, Logic Low and Single Shot events. Logic High: 2.2 V (nominal) in TTL mode, 70% de VCC in CMOS mode. Logic Low: 0.8 V in TTL mode, 30% de VCC in CMOS mode. Memory Mode: Detects single shor events and holds indication until Pulse/Mem is toggled
Digital Function Generator	Frequency Range: 0.1 Hz to 100 kHz, 2 ranges Output Voltage: 0 to + 10 Vp-p into 600 Ω load (20 Vp-p in open circuit), short circuit protected Output Impedance: 600 Ω, except TTL Output Waveforms: Sine, Square, Triangle & TTL Sine Wave Distortion: < 3% @ 1 kHz typical TTL Pulse: Rise & fall time: < 25 ns, drive 100 TTL Square Wave: Rise & fall time: < 0.5 μs
Logic Switches	8 Logic switches select Logic High and Logic Low Logic Low Level: Ground Logic High Level: switchable between +5 V and the variable positive power supplies
Switches	2 Single Pole Double Throw (SPDT) (SPDT) - uncommitted
Logic Indicators	16 LED Bicolores: 8 red to indicate logic high and 8 green to indicate logic low Logic High Threshold: 2.2 V (nominal) in TTL/+5 V mode, 70% (nominal) of selected operating voltage in CMOS mode Logic Low Threshold: 0.8 V (nominal) in TTL/+5 V mode, 30% (nominal) of selected operating voltage in CMOS mode
Connectors	2 BNC Connectors - uncommitted
Potentiometers	2 Potentiometers: 1 kΩ and 10 kΩ - uncommitted
Speaker	8 Ω, 0.25 W - uncommitted
Displays	2 BCD to 7-Segment display cricuits, 2 red LED and decoder/driver circuitry
Breadboard	Removable socket plate (PB-4) with 3,360 tie-points with 200 additional bus strip tie-points
Weight	10 lbs (4.5 kg)
Dimensions	4.5 x 15 x 10.75 in (11.4 x 38.1 x 27.3 cm) (H x W x D)
Warranty	3 Years

Contact Information:

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PB-505ALAB



Courseware



Accessories Kit



Specifications and appearance subject to changes without notice.
451-057-000_rA

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