

PB-503CLab

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Desktop Design Workstation & Courseware

The Global Specialties PB-503C Lab is a comprehensive course in Analog and Digital Electronics which utilizes the PB-503 Circuit Design Workstation as a base for its experiments. The PB-503C Lab comes in a built-in carrying case for portability. Students will learn fundamentals of electricity all the way through combinational logic circuits and microcomputer concepts. Student will also learn by utilizing valuable hands-on breadboarding and experiment verification with the use of the PB-503 trainer. The program/lab comes complete with the PB-503 trainer, courseware and instructor guides.

Product Features

- 3-year warranty on all parts and workmanship.
- Ideal for analog, digital and microprocessor circuits
- New high & low buffered logic indicators
- 8 channel logic monitor
- New 8 selectable logic switches
- Function Generator with continuously variable sine, square and triangle waveforms and TTL pulses
- Triple output power supply offers fixed 5 VDC supply plus two variable outputs: ± 1.3 to ± 15 VDC
- Two Digital Pulsers
- Audio experimentation speaker
- Removable breadboard plate with additional plates available
- Multiple features in one complete test instrument saves hundreds of dollars necessary for individual units

Included Courseware

GSC-2301	Electronic Fundamentals Student Text
GSC-2302	Electronic Fundamentals Instructor Guide
GSC-2311	Electronic Fundamentals Lab Manual
GSC-2312	Electronic Fundamentals Lab Solution Set
GSC-3200	Digital Electronics Text
GSC-3201	Digital Electronics Instructor Guide

Specifications

- Power
 - 3-wire AC line input (117V, 60 Hz typical) with power-on indicator. Both Models are available in 220-240VAC@50Hz
 - +5V@1.0A, ripple put
- Frequency Range
 - 0.1 Hz to 100 kHz in six ranges.
- Output Voltage
 - 0 to ± 10 V (20Vp-p).
- Output Impedance
 - 600 ohms (except TTL).
- Output current
 - 10mA maximum, short circuit protected.
- Output waveforms
 - sine, square, triangle, TTL.
- Debounced Push-Button (Pulsers)
 - distortion d, open-collector output pulsers, each with one normally-open, one normally closed output. Each output can sink up to 250 mA.

- Potentiometers
 - One 1 K ohm, one 10 K ohm, all leads available and uncommitted.
- BNC Connectors
 - Two BNC connectors, pin available and uncommitted, shell connected to ground.
- Switches
 - Two SPDT slide switches, all leads available and uncommitted. 8-pole DIP switch: one side of all eight switches connected and switchable to +5V or ground, other side of all eight switches separate, available, and uncommitted.
- Speaker
 - 0.25W, 8 ohms
- Breadboarding Area
 - Three UBS-100 sockets with 840 tie-points each for a total of 2520 uncommitted tie-points. Two QT-59B Bus strips internally connected to power and ground. Fifty tie-points each for +5V, +V,=15 V and ground.
- Enclosure
 - High impact molded case.
- Weight
 - 7 lbs
- Overall Dimensions
 - 6.5in H x 16in W x 11.5in D
- Part Number
 - 104-5030