

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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GLOBAL SPECIALTIES

Proto-Board® Design Workstation Series

PB-503

Proto-Board Design Workstation Series



- Unconditional Life-time guarantee on all breadboarding sockets & 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 ±15VDC
- 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

The PB-503 Protoboards® contain multiple features in one complete test instrument, saving hundreds of dollars needed for individual units. Not only will you save money, you will save space. The PB-503 design station takes up just over 1 square foot of desk space, while delivering the functionality of a full test bench of performance.

PB-503

POWER

3-wire AC line input (117V, 60 Hz typical) with power-on indicator. Both Models are available in 220-240VAC@50Hz

Fixed DC output	+5V@1.0A, ripple <5mV.
Variable DC output	+1.3 V to +15V@0.5A, ripple <5mV.
Variable DC output	-1.3V to -15V @ 0.5A, ripple <5mV.

FUNCTION GENERATOR

Frequency Range	0.1 Hz to 100 kHz in six ranges.
Output voltage	0 to ±10V (20Vp-p).
Output Impedance	600 ohms (except TTL).
Output current	10mA maximum, short circuit protected.
Output waveforms	sine, square, triangle, TTL.
Sine wave	distortion <3% (10Hz to 100kHz).
TTL pulse	rise and fall time <25 nS. drive to 10 TTL loads
Square wave	rise and fall time <1.5µS

LOGIC INDICATORS

8 LED's, active high, 1.4 volt (nominal) threshold, inputs protected to ±20 volts.

DEBOUNCED PUSH-BUTTON (PULSERS)

Two pushbutton-operated, 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.

GENERAL

Weight	7 lbs
Overall Dimensions	6.5" H x 16" W x 11.5" D
Part Number	104-5030

Prototyping & Design Products

Proto-Board® Design Workstation Series

An exceptional combination of advanced functions, flexibility and features, built with Global Specialties® dedication and commitment to quality and workmanship, make our Circuit Design Workstations a valuable cost-effective product for research & development and educational applications.

MOST POPULAR! DESIGN WORKSTATION

ADVANCED CIRCUIT DESIGN TRAINER

- Large removable breadboard area with limited lifetime warranty
- Two digital pulsers
- Built-in multi-waveform 100KHz function generator
- Quad voltage power supply: three DC & one low voltage AC
- Built-in logic probe with pulse capture
- BCD to 7 segment decoder/display
- 8 channel logic indicators
- Audio experimentation speaker



PB-505



PB-4

WORKSTATION SOCKET PLATES

Replacement socket plates for global circuit design workstations

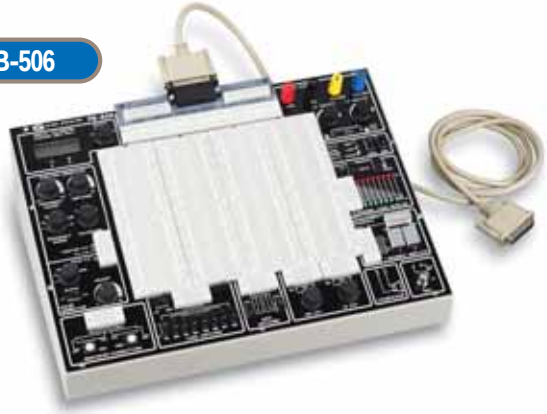
- PB3 for use with PB503 & PB503C
- PB4 for use with PB505 & PB506



PB-3

PROFESSIONAL CIRCUIT DESIGNER WITH COMPUTER INTERFACE

PB-506



- Removable breadboard area with limited lifetime warranty
- 1 MHz multi-waveform function generator
- Quad voltage power supply
- Logic probe with pulse capture
- 8 channel logic indicators
- With 1 MHz pulse generator
- Detachable 25-way computer interface

NEW! RUGGED ENCLOSURE

PORTABLE DESIGN WORKSTATION & BENCH-TOP WORKSTATION



PB-503

- Limited lifetime warranty on sockets
- Ideal for analog, digital and microprocessor circuits
- 8 channel logic monitor
- 8 selectable logic switches
- Function Generator with TTL pulses



PB-503C

- Triple output DC power supply
- Two digital pulsers
- Audio experimentation speaker
- Removable breadboard area and optional additional breadboard socket plates available

Full specifications available on our website: www.globalspecialties.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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