Trainer Series

Electronic Trainers

PB-203A Powered Breadboard

Use the PB-203A to construct a wide variety of experiments, including but not limited to:

Opto-Device Circuits

Clocks

Multivibrators

Oscillator Circuits

Timers

Function Generator Circuits

Logic Circuits

Gates

Counters

Flip-Flops

Analog-to-Digital Converters

Digital-to-Analog Converters

Medium Scale Integration Circuits

Phase Lock Loops

Operational Amplifier



Features:

- Combines utility of a Proto-Board with highly capable regulated DC power supplies
- Housed in a rugged metal case
- Triple output power supply, 5V @1A, +15V & -15V @ 500mA
- Up to (24) 14-pin DIP IC capacity
- Includes three new GS-830, 830 Tie-point Solderless Breadboards & one new GS-080, 80 Tie-point Bus Strip
- 3-year warranty on all parts and workmanship.

The PB-203A is a durable powered breadboard capable of being used to design a multitude of analog, digital, logic and microcomputer circuits.

The PB-203A's on-board power supply eliminates the need for an external supply, adding more versatility to circuit design and experiments, as well as saving valuable bench space by eliminating the need for an external prototyping power supply. Due to its ample sized breadboarding area, the PB-203A is ideally suited to allow for the breadboarding of virtually any type of circuitry, from TTL, CMOS and ECL, to opamps, audio, comparators, video amps, microprocessor components, phase locks and more.

The PB-203A's breadboarding area is comprised of Global's "Premium" solderless breadboards and is backed by an industry leading 3-year warranty.

Global Specialties powered breadboards are an important part of the necessary tools required to enable engineers and technicians to train for careers in the rapidly growing field of electronics technology.



Innovative Training Solutions

www.globalspecialties.com

PB-203A

Trainer Series

Electronic Trainers

Powered Breadboard

Specifications

Model	PB-203A
Input power Source	AC Line: 110/120VAC @ 60Hz, or 210-220VAC @ 50Hz
Power Supplies	Fixed: +5V +/-0.2VDC, 1.0A max, current limited Load Regulation better than 0.8% +/- 0.02%/°C Ripple, <4mVp-p @1A Fixed: +15VDC, Load Regulation better than 1% +/- 0.04%/°C, Ripple less that 10mVp-p @ 0.5A Fixed: -15VDC Load Regulation better than 1% +/- 0.04%/°C Ripple less that 10mVp-p @ 0.5A
Binding Posts	 (1) Black: Chassis Ground (3) Red: Power Supply Outputs +5VDC, +15VDC 4 -15VDC
Breadboards	2250 Tie points with (8) 100 pin and (2) 80 pin power rails and accommodates up to 24 (14 pin) IC's
Weight	5lbs 5 oz (2.5kg)
Dimensions	9.8 x 6.6 x3.3" (249 x 167 x 86.7mm)

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 adapters
- **GSPA-K1:** Surface Mount to DIP Adapter Kit, 6 adapter boards
- **GSPA-K2**: Surface Mount to DIP Adapter Kit, 11 adapter boards
- GSA-3185: Minipro Test Clip Set

Technical data subject to change without notice.



Innovative Training Solutions

www.globalspecialties.com

© 2019 Global Specialties

22820 Savi Ranch Parkway Yorba Linda, CA 92887 1.800.572.1028