

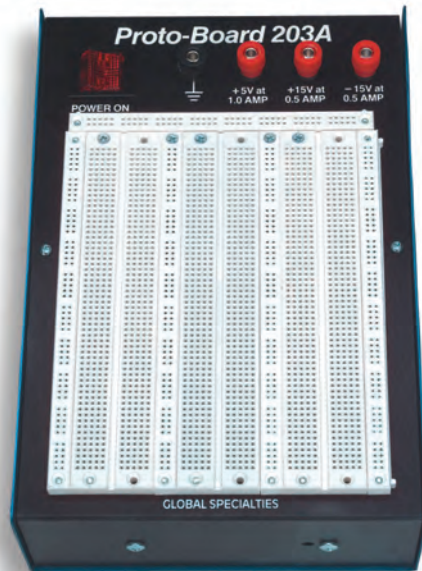
Trainer Series

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 op-amps, 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.itm.com

information@itm.com

1.800.561.8187

PB-203A

Powered Breadboard

Trainer Series

Electronic Trainers

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 than 10mVp-p @ 0.5A Fixed: -15VDC Load Regulation better than 1% +/- 0.04%/°C Ripple less than 10mVp-p @ 0.5A
Binding Posts	(1) Black: Chassis Ground (3) Red: Power Supply Outputs +5VDC, +15VDC & -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 x 3.3" (249 x 167 x 86.7mm)

Technical data subject to change without notice.

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



Innovative Training Solutions

© 2010 Global Specialties

www.itm.com

information@itm.com

1.800.561.8187