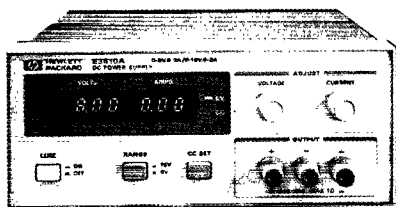


POWER SUPPLIES

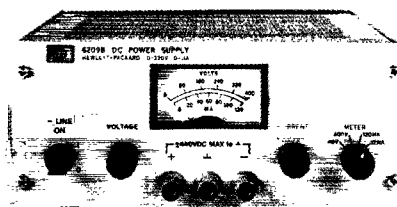
Laboratory: Single and Multiple Output, 10W to 38W
HP E3610A-E3612A, 6209B, and 6234A-6237B

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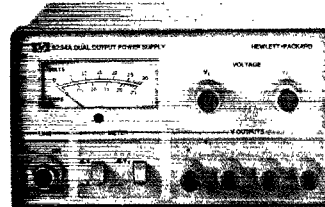
- HP E3610A-E3612A . . . 30-watt output
- Dual ranges
- Digital voltage and current meters
- HP 6209B . . . 32-watt output
- 320 volts
- Remote sensing



Single Output HP E3610A-E3612A



Single Output: HP 6209B



Dual Output: HP 6234A

Description – Single Output Models

HP E3610A-E3612A

These popular low-cost CV/CC bench supplies are designed for general laboratory use.

The constant voltage/constant current output allows operation as either a voltage source or current source, with the changeover occurring automatically based on the load. This characteristic also provides an adjustable current limit, so that an electronic engineer can set the safest current limit level for any particular DUT. And the CC Set button allows the current limit to be set without having to short the output.

Each model has two ranges to choose from, allowing more current at a lower voltage. Either the positive or negative terminal may be connected to ground, providing a positive or negative voltage output. Power supplies may be connected in series, to provide a higher output voltage. Either terminal may be floated up to ± 240 volts from ground.

The dual digital meters allow you to easily monitor current and voltage simultaneously, adjusting as needed with the 10-turn voltage control and the 1-turn current control.

These supplies measure 88 mm H, 212 mm W, and 318 mm D (3.5 in \times 8.4 in \times 12.5 in). They weigh 3.8 kg (8.4 lb).

HP 6209B

This CV/CC power supply covers a range up to 320 volts. It is equipped with 10-turn voltage and current controls, and front- and rear-panel terminals.

Units may be bench operated or rack mounted individually or in pairs using accessory rack mounting hardware. They measure 89 mm H \times 216 mm W \times 317 mm D (3.50 in \times 8.50 in \times 12.50 in) and weigh 4.5 kg (10 lb).

Description – Dual Output Models

HP 6234A

The HP 6234A is a low-cost, dual-output bench power supply with two independently adjustable and isolated power sources in one compact unit. Both of the dc power sources are of the constant voltage/current limit type with each output voltage being adjustable continuously over a 0 to 25 V range. The maximum current available per output is 0.2 A and is limited automatically to prevent overload.

The HP 6234A offers considerable flexibility to the user with output voltages that can be arranged to provide identical or different voltages in any polarity combination with respect to 0 or other common positive or negative voltage points. The outputs can also be connected in series to provide up to 50 V at 0.2 A. Both sources are fully isolated to permit either of the output terminals to be grounded.

With push-button switches, users can select either voltage or current for each output to be monitored on the unit's meter. Other features include two multiple-turn controls for precise voltage setting, regulation to 0.01 percent, and in ripple and noise of less than 200 microvolts rms.

With dimensions of only 93 mm H \times 157 mm W \times 210 mm D (3.64 in \times 6.17 in \times 8.25 in), the HP 6234A supply takes up a minimum amount of bench space. Its weight is 2.3 kg (5 lb). The unit can be powered from a 115 V or an optional 230 V, 47 to 63 Hz ac input (Option 028).

HP 6205C

This low-cost bench supply is equipped with 10-turn output voltage controls, volt/ampere meter, meter function/range switch, and front and rear output terminals. In addition, an output range switch permits the selection of either a high or low output voltage range.

The HP 6205C combines the versatility of a dual power supply with the flexibility of auto-parallel and auto-series operation to extend the output ratings of this supply to 20 V/1.2 A, 40 V/0.6 A, and 80 V/0.3 A. In addition, using the supply's auto-tracking capability, opposite polarity voltages (± 20 V, ± 40 V) can conveniently be obtained from this one supply.