

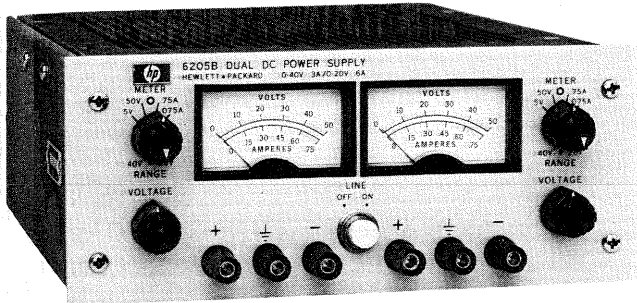
POWER SUPPLIES

Low cost lab: General bench applications

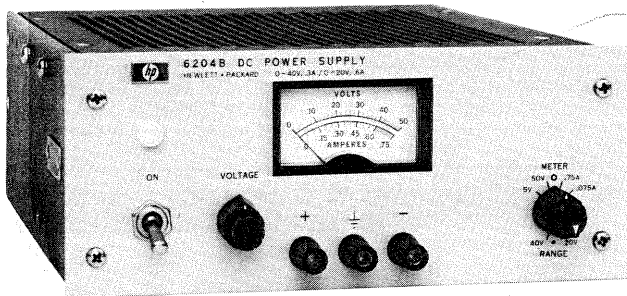
Models 6200B-6209B, and 6384A



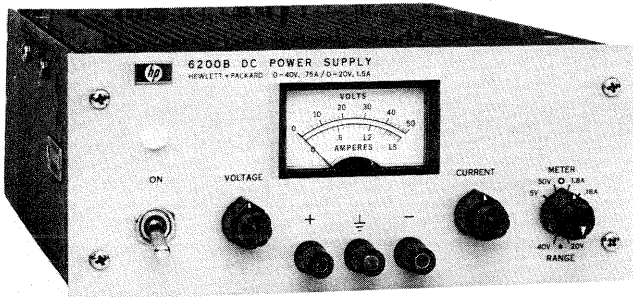
- Short-circuit proof
- Floating output (up to 300V above ground)
—Can be used as a positive or negative source
- Remote sensing
- Bench or rack mounting
- Multi-function meter



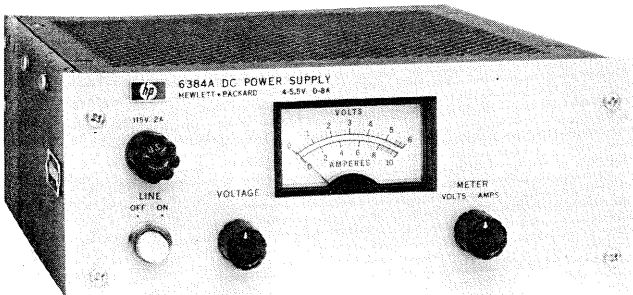
6205B



6204B, 6206B



6200B-6203B, 6207B, 6209B



6384A

Description

Models 6200B-6209B

This series of low-cost bench supplies includes nine models covering an output voltage range from 0-7.5 V to 0-320 V. All models are equipped with coarse and fine output voltage controls (except Models 6207B and 6209B, which have 10-turn voltage controls), volt/ampere meter, meter function/range switch, and front and rear output terminals. In addition, on the dual-range models (6204B-6205B), an output range switch permits the selection of either a high or a low output voltage range.

Model 6205B 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.

The Constant Voltage/Current Limiting supplies (6204B-6205B), are short-circuit protected by a fixed current limiting circuit which is activated at approximately 110% of rated load current. The current-limit point can be reduced by changing the value of a single internal resistor. For the Constant Voltage/Constant Current supplies, concentric coarse and fine current controls allow the current-limit point to be set to any value within the current rating. Using these controls, the CV/CC supplies can also be operated as constant current sources.

Units may be bench operated or rack mounted individually or in pairs using accessory rack mounting hardware.

Model 6384A

This low-cost bench supply is designed specifically for use with digital-logic integrated circuits. Its output ratings and superior performance, combined with the protection of built-in overvoltage crowbar and current limiting circuits, make it an excellent IC supply for both laboratory and systems use.

Voltage-sensitive loads are protected by the overvoltage crowbar circuit. Following detection of an overvoltage condition, the crowbar is activated and shorts the output. The crowbar threshold is factory-set to 6.25 V, but is field-adjustable down to 5 V.

The power supply will not be damaged by an overload condition. If the load current exceeds 8.5 ± 0.2 A, the cutback current limit circuit is activated and reduces the output current to a safe level.