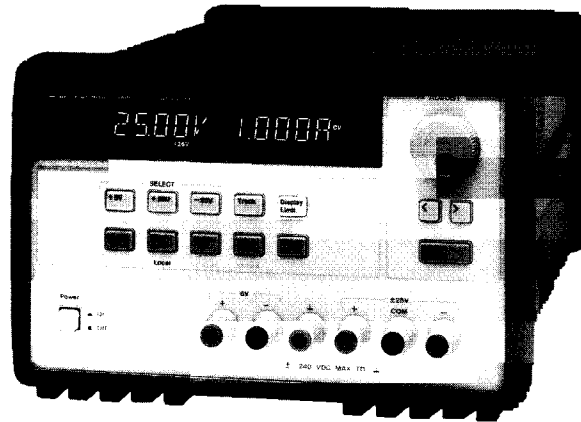


POWER SUPPLIES

Laboratory: Triple Output HP E3631A

- 0-6 V 5 A, 0 to ± 25 V 1 A
- Low noise/excellent regulation
- HP-IB/RS-232 standard
- Two digital meters
- Manual control
- Linear power supply



HP E3631A Triple Output

The HP 3631A is a triple-output programmable dc power supply designed to meet the most exacting engineering requirements with traditional HP quality and reliability designed in.

Low Noise/Excellent Regulation

0.01 percent load and line regulation keep the outputs steady. This linear supply specifies both normal-mode voltage noise and common-mode current noise. The low normal-mode noise specification assures clean power for precision circuitry and the low common-mode current provides isolation from power line current injection.

Remote Interface

If you have an IEE-488 card or RS-232 in a PC, this supply will work for you. It comes with both HP-IB and RS-232. This power supply lets you program both voltage and current. You can monitor the output terminals for voltage and current, and a query command lets you read the pro-

grammed voltage and current. All programming is done in easy-to-use SCPI. Visa driver is available.

Front-Panel Operation

Both voltage and current can be monitored simultaneously for any one output from the front panel on an easy-to-read vacuum fluorescent display. A knob allows you to set the output at the resolution you need for the most exacting adjustments, quickly and easily. Save and recall power supply settings to check a circuit for hi/lo power sensitivity. Set the ± 25 V outputs to track each other. The output on/off button disconnects the output.

Isolated

All the outputs are isolated from chassis ground and from the remote interface. The 6 V supply is isolated from the ± 25 V supply to minimize any interference between circuits under test.

Specifications (at 0° to 55° C unless otherwise specified)

DC outputs Voltage Current	0 to +25 V 0 to 1 A	0 to -25 V 0 to 1 A	0 to 6 V 0 to 5 A
Load regulation Voltage Current	<0.01% + 2 mV <0.01% + 250 μ A		
Line regulation Voltage Current	<0.01% + 2 mV <0.01% + 250 μ A		
Ripple and noise Normal-mode voltage Normal-mode current Common-mode current	<350 μ V rms/2 mV p-p		
	<500 μ A rms	<500 μ A rms	<2 mA rms
	<1.5 μ A rms		
Programming accuracy (25° C \pm 5° C) Voltage Current	0.05% + 20 mV 0.15% + 4 mA		0.1% + 5 mV 0.2% + 10 mA
Readback accuracy (25° C \pm 5° C) Voltage Current	0.05% + 10 mV 0.15% + 4 mA		0.1% + 15 mV 2.2% + 10 mA
Resolution Program/readback Meter	1.5 mV/0.1 mA 10 mV/1 mA		0.5 mV/0.5 mA 1 mV/1 mA
Transient response	50 μ sec for output to recover to within 15 mV following a change in output current from full load to half load or vice versa		

Supplemental Characteristics

ac Input: 110 V ac \pm 10%, 47 to 63 Hz (Option OE9)
115 V ac \pm 10%, 47 to 63 Hz (Std)
230 V ac \pm 10%, 47 to 63 Hz (Option OE3)

Cooling: Fan cooled

Size: 213 mm W x 132 mm H x 360 mm D (8.4 in x 5.2 in x 14.2 in)

Net Weight: 6.9 kg (15 lb)

Product Regulation: Designed to comply with UL1244, IEC 1010-1; Certified with CSA 22.2 No. 231, meets requirements for EC 92 regulation

Warranty: 3 years

Price: \$995

☎ For off-the-shelf shipment, call 800-452-4844.