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ELENCO PRECISION

VARIABLE REGULATED POWER SUPPLY

INSTRUCTION MANUAL

XP- 580

ELENCO ELECTRONICS, INC.
150 W. Carpenter Ave.
Wheeling, IL 60090

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INTRODUCTION

The model XP-580 is a solid state DC power supply. It contains four fully regulated power supplies. Three fixed voltage supplies are 12VDC @ 1A, 5VDC @ 3A and -5V @ .5A. A variable voltage is capable of delivering 2-18V at up to 2.5A.

All four supplies are precisely held to the desired output voltage by a special regulating circuit. They also are protected from overload by a current foldback circuit. This circuit is designed to protect the power supply against shorts or excessive current demand. It also protects the equipment from possible damage due to high surge currents. This supply is ideal for use in school labs, service shops or anywhere a precise DC voltage is required.

OPERATING INSTRUCTIONS

1. Check the voltage rating of the equipment to be powered. Care must be taken not to exceed this rating.

2. Plug the line cord into a 120V 60Hz AC outlet.

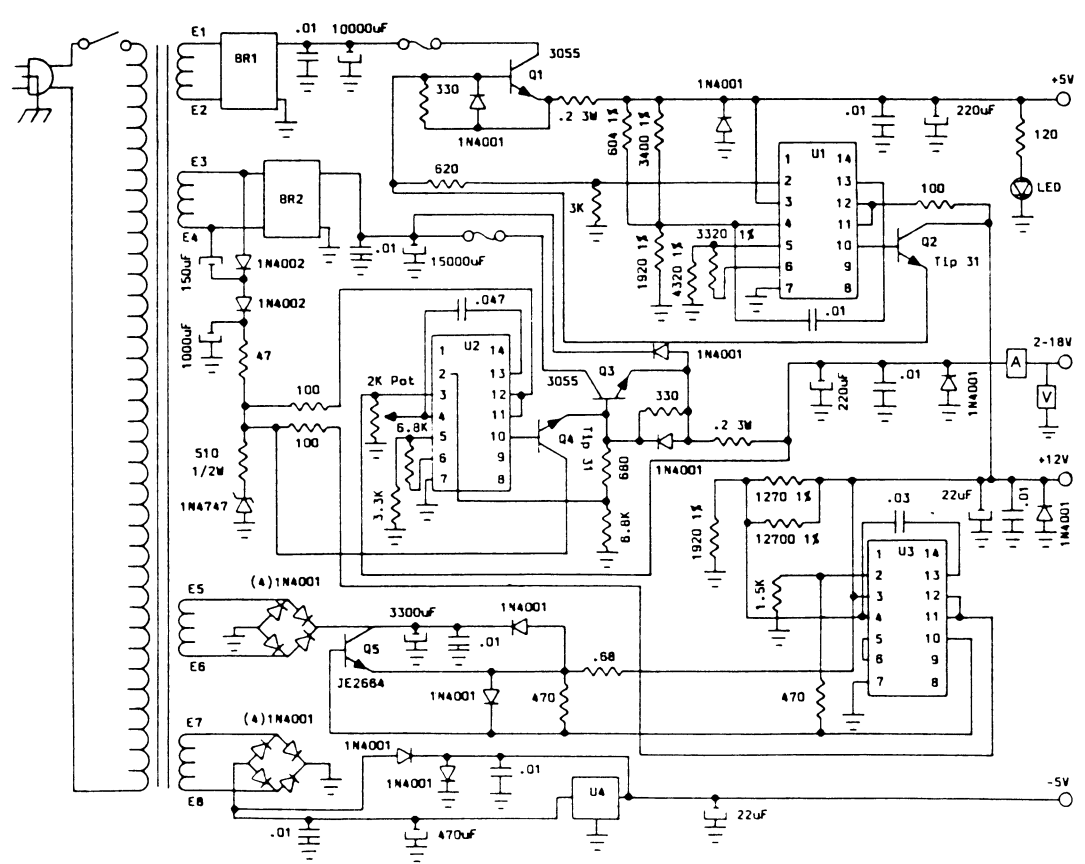
3. Adjust the voltage control to the desired voltage. Load variation will have practically no effect on the voltage setting due to the special regulation circuit.

4. Connect the positive lead of your equipment to the desired output terminal and the negative lead to the black terminal.

SPECIFICATIONS

	Fixed	Fixed	Fixed	Variable
Output Voltage ± 10%	+ 5V	-5V	+ 12V	+ 2 to + 18V
Output Current	3A	.5A	1A	2.5A@15V
Output Regulation	.05V	.05V	.05V	.4V
Line Regulation	.05V	.05V	.05V	.05V
Ripple Max RMS	.005V	.005V	.005V	.005V
Short Protection	Yes	Yes	Yes	Yes

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