

## SECTION 1

### INTRODUCTION

This small, inexpensive unit provides a light and portable unregulated power supply capable of supplying a wide range of HT voltages.

It is used in many branches of industry, by the services, and in training establishments of all kinds.

## SECTION 2

### PERFORMANCE SPECIFICATION

D. C. Output Voltage: 0-500 Volts Positive or Negative.

Both positive and negative lines are isolated from earth and insulated for 1,000 Volt working so that two supplies may be used in series.

D. C. Output Current: 100 m amps at potentials from 0-350 Volts. Above 350 Volts the current output falls in accordance with the graph opposite. Fig. (1).

A. C. Output: 6.3 Volts 3 Amps centre Tapped.

Ripple on D. C. Output: <170 mVolts R. M. S.

D. C. Output Resistance: 10 ma - 100 ma approximately 700  $\Omega$ .

Supply Voltage: 110V or 220V  $\pm$  20V.

Supply Frequency: 40 to 60c/s and 400c/s.

Permissible Mains Variation:  $\pm$  7%.

Supply Power: 140 V. A. at full load.

A built in meter is supplied to measure HT voltage or current

Dimensions: 13 $\frac{1}{2}$ " x 13" x 8" height.

Weight: 35 lbs.

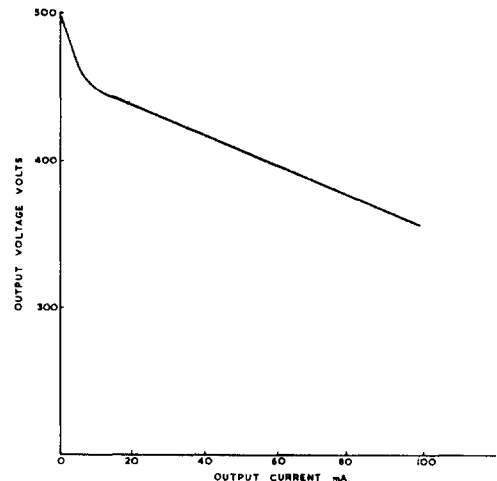


Fig. 1 Regulation of Power supply at maximum output voltage

## SECTION 3

### OPERATING INSTRUCTIONS

Check that the transformer tap selecting panel is correctly set.

Connect the 'Vari-Pack' outputs to the work as required.

Ensure that the 'Vari-Pack' is switched off, and connect it to the supply main.

Set the meter selector switch to volts, and switch on the instrument.

Adjust the variable control to obtain the required voltage. Switch to current to check that the current drain is not excessive.