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THE SOLARTRON ELECTRONIC GROUP LTD.

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SOLARTRON

DATA SHEET

'VARIPACK' POWER SUPPLY

SRS 153.2 AND SRS 153S

(CT397 Joint Services Catalogue No.

6625-99-943-3268)



In many branches of industry and in universities and technical colleges there is a need for a light, portable and inexpensive unregulated power supply unit capable of supplying a wide range of h.t. voltages. The Solartron Varipack has been designed to meet this requirement fully.

- Low cost and weight.
- Portable and flexible.
- "Student-proof".
- Continuous control 0—500 volts.

APPLICATIONS

The Varipack can be used for testing of components, valves and similar devices, also for supplying research and prototype equipments.

It is, however, most suitable for use in educational establishments—where its rugged construction and simple operating procedure give it a great advantage in safety and certainty.

DESIGN FEATURES

A controllable output voltage of from zero to 500 volts is obtained using only one control, by employing a grid-controlled series valve circuit of novel form.

The output voltage is normally isolated from earth, but by earthing the appropriate output terminal either a positive or a negative supply is obtainable. An important characteristic of the instrument is its basic simplicity, which in conjunction with the use of paper capacitors and other high-grade components provides a good performance with inherent reliability.

Two units may be used in series to provide supplies at higher voltages.

An A.C. output of 6.3 volts at 3 amps is provided for supplying valve heaters.

MECHANICAL CONSTRUCTION

A six-pin socket is mounted to the rear of the chassis and is wired in parallel with the output terminals, so that alternative connections may be made for rack-mounted equipment. The $2\frac{1}{2}$ in. meter, terminals and controls are mounted on the anodised duralumin front panel, the complete instrument being housed in a steel case. A 19 in. panel model for rack mounting is available to order at extra cost.

SPECIFICATION SRS153.2

Mains Input:	220V or 110V ± 20 V in 5 and 10V taps. 50 to 400 c/s. Consumption 140 VA.
H.T. Output:	0—350 volts/100 mA positive or negative. 0—400 volts/50 mA " " " 0—500 volts zero load " " "
A.C. Output:	6.3 volts/3 amps centre tapped.
Ripple Content:	Less than 150 mV r.m.s.
D.C. Resistance:	Approx. 700 Ω from 10 mA to 100 mA.
Dimensions:	13 in. \times 8 in. \times 13 $\frac{1}{2}$ in. (33 cm \times 20.3 cm \times 34.3 cm).
Weight:	35 lb. (15.8 kg).

We reserve the right to change specifications and prices without notice

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