

A-201-D VOLTAGE DIVIDING RESISTANCE BOX



THIS voltage dividing resistance box operates as a potentiometer of the Rayleigh type in which the total resistance is kept constant, the switches being so designed that as resistance is added to one side of the dividing point an equal resistance is withdrawn from the other side. The total resistance is 10,000 ohms.

SPECIFICATION

ACCURACY The accuracy of adjustment on direct current is : $\pm 0.1\% \pm 0.008$ ohm. The A.C. accuracy is a function of the frequency and the method of connexion, but can be calculated from the figures for time constant given on page 6.

TEMP. COEFF. Within $\pm 0.004\%$ per deg. C.

VOLTAGE The maximum permissible input voltage is 200 volts R.M.S.

SWITCHES Dual-decade switches, of special design, are used, in which the two elements are arranged symmetrically on a circular mounting disc, the brushes being rotated by a common shaft.

WINDING Non-reactive resistors wound on ceramic cards.

MOUNTING AND SCREENING The switch units are attached to the underside of a metal panel finished in polished black cellulose, and enclosed in a teak box with a metallized lining. In addition to the input and output terminals, a further terminal is provided to enable the screen to be earthed.

DIMENSIONS 5 in wide \times $15\frac{3}{4}$ in long \times $5\frac{1}{4}$ in deep (12.7 cm \times 40 cm \times 13.4 cm).

WEIGHT 7 lb (3.2 kg).

STANDARD MODEL

TYPE	NO. OF DIALS	RANGE (VOLTAGE RATIO)	RESISTANCE
A-201-D	4	0.0001 to 1 ; in steps of 0.0001	10,000 ohms