

SECTION 2

VARIABLE ATTENUATOR AT/19

The Variable Attenuator AT/19 is designed for use on the standard a.c. test bay in conjunction with the variable tone source TS/7 or TS/8, and

5 db and has a range of 0-50 db.

The attenuator controls comprise two Painton potentiometer switches and have rotating scales,

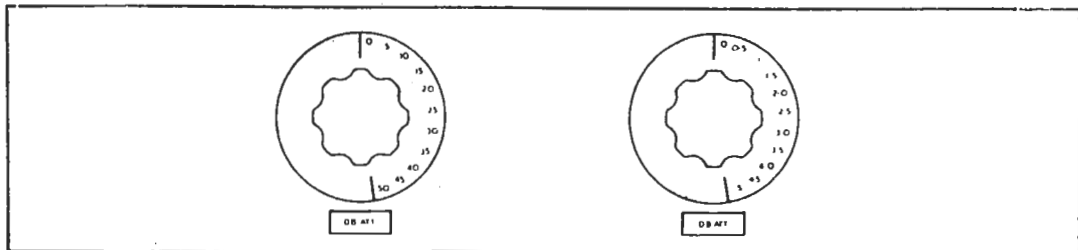


Fig. 2.1. Face Panel AT/19

has an attenuation range of 0-55 db. The attenuator is normally connected to the output of the tone source by means of break jacks.

calibrated directly in decibels, the total attenuation in use being given by the sum of the readings of the two controls. Each control is fitted with

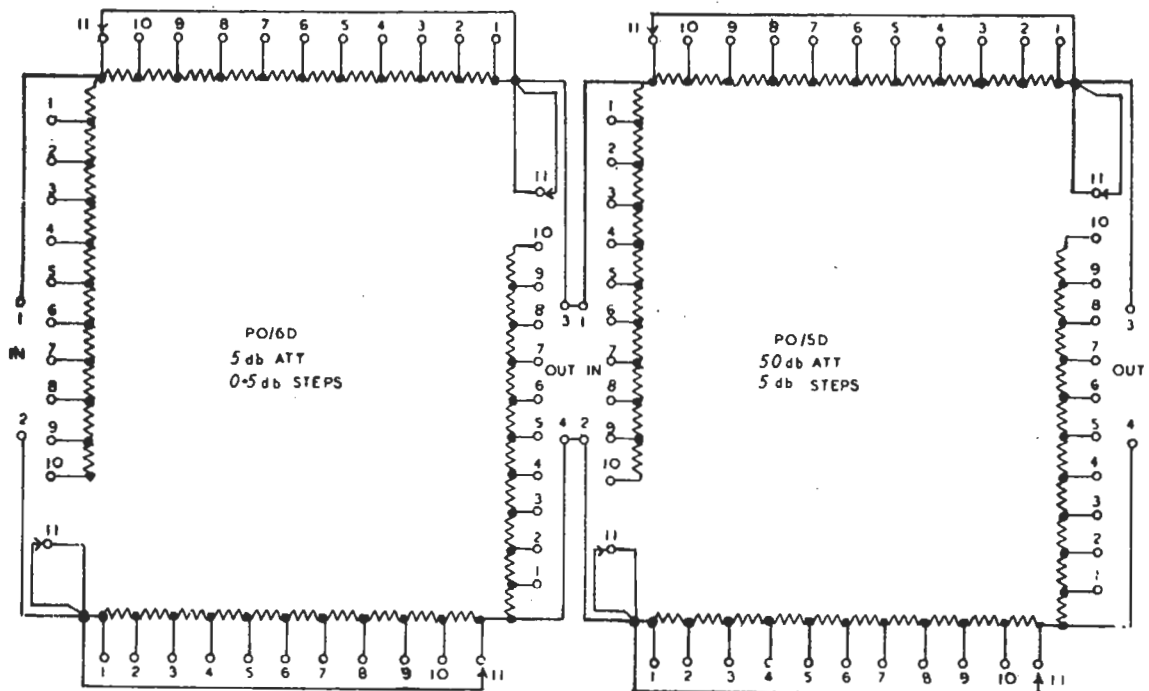


Fig. 2.2. Circuit AT/19

Circuit Description (Fig. 2.2)

The attenuator consists of two 600-ohm variable square networks in series. The first network is arranged in steps of 0.5 db, and has a range of 0-5 db, the second being arranged in steps of

detents, or stoppers, so that the mechanical setting at each calibration is accurate.

The use of the attenuator in conjunction with the tone sources TS/7 and TS/8 has been explained in the operation instruction appertaining to those units.