

DATA SHEET

LINEARITY TRANSFORMER - LT-20

(For Audiometer Calibration)

DESCRIPTION

The LINEARITY TRANSFORMER is used to increase signal level 20 to 24dB. It electrically couples the audiometer with various sound level meters not capable of measuring down to the 0dB and -10dB levels required for testing linearity. It is also used when earphone coupler noise is too high to get accurate measurements acoustically. The transformer has input impedance selections of 10, 50, and 100 Ohms to simulate most headphones.

The transformer is used in place of the headphone when either relief from coupler noise or additional gain is needed. The provided LT-20 HEADPHONE CABLE (tiny plug to 1/4" plug) is plugged into the input jack of the transformer and one of the headphone jacks of the audiometer. The cable connecting the sound level meter to the LT-20 must be ordered separately depending on the sound level meter being used. (See below) The correct impedance is selected (10, 50, 100) via the 3-position switch on the end of the transformer. (See audiometer manual for headphone impedances.)

LINEARITY CABLES

Description: Tiny plug to Sound Level Meter.
For use with Model AA-188 Audiometer Analyzer - Part #58-817
For use with Models 1800,1700, 2800 and 2700 - Part #59-746

