

Source Impedance: 4 to 16 ohms; at higher impedances response at the extremes of the range will progressively reduce, e.g., 50 ohms causes a 5 db loss at 30 and 10,000 Hz.

Sensitivity: 80 db SPL at 1kHz \pm 1 db referred to 0.0002 dynes/cm² with 1 volt at the input. Variations from calibration furnished are less than 1/2 db at 25° C.

Frequency Response Range, Typical:

15-15,000 Hz \pm 2 db (10 octaves)

10-19,000 Hz \pm 5 db

An individual, machine-run response curve is furnished with each headset, made as shown in Fig. 5.

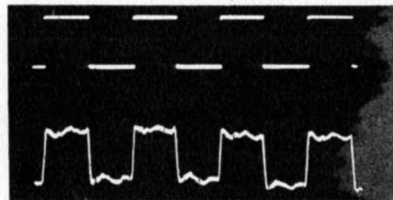


Fig. 4 Response to 400 Hz square wave. Upper trace is input; lower trace is ESP-9.

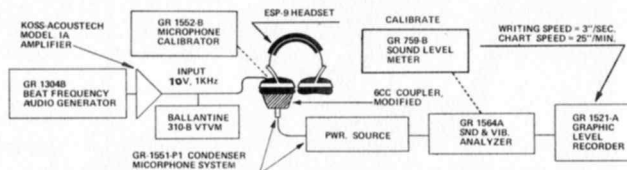
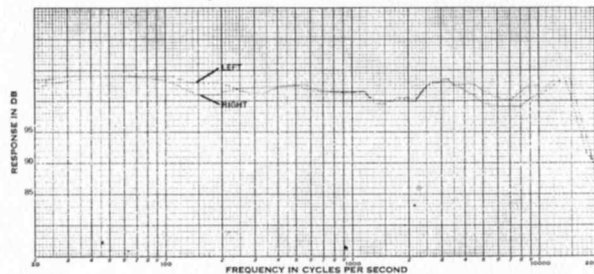
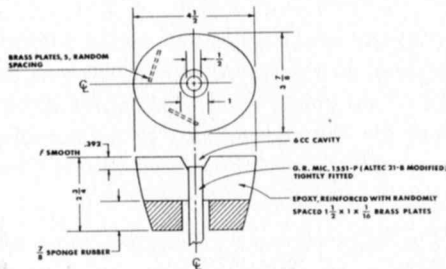


Fig. 5 Machine run response curve of the ESP-9 (upper right), shown with test equipment and construction of mechanical coupler modified for wide range measurements of circumaural headphones.