

## Product Details

### Eckstein Bros Miniature Audiometer: Model 60:

#### **VENDOR DESCRIPTION**

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Model EB-60 screening audiometer is a lightweight, portable instrument which is all solid state and mercury battery powered. It fully conforms to ANSI-69 specifications and incorporates an advanced temperature compensated circuit design which assures accurate and stable operation under all conditions including extremes of environmental temperature. Etched circuit wiring for electronic components maintains this high degree of accuracy despite any shocks, vibration and rough usage to which this instrument may be subjected. Method of construction and high quality of all components assures long and trouble-free service.

The Model EB-60 is equipped with a double dynamic headset. An internal calibration network is incorporated which permits adjustment for output level calibration.

This audiometer is mounted in a sturdy vinyl covered carrying case which is lightweight and highly portable. Ample storage area is provided in the rear section of the carrying case so that the headset may be easily stored when not in use. One of the unique features of the audiometer is the fact that although the power switch is turned to the "ON" position, no power is taken from the battery unless a tone is actually presented by depressing the interrupter switch. Because of this, battery life is greatly extended and batteries need not normally be replaced before approximately a year of use, assuming the audiometer is used from two to three hours daily.

The headphones used in the Model 60 are color coded to correspond with the color code designation of the output selector switch position. The headset is worn with the BLUE earphone on the left, ear and the RED earphone on the right ear.

The small meter located on the panel is used to indicate the condition of the two mercury batteries used in furnishing power to the audiometer. The batteries used to furnish power for this audiometer are Mallory Mercury Type TR-136R.

This Frequency Control is the large dial located at the right hand side of the panel. It is used in selecting the particular tone at which the subject is to be tested. The dial may be turned through any one of seven positions from 250 to 6000 cycles. The frequency to which this control is set is indicated by the right side of the large double-headed arrow.

The Tone Interrupter bar type lever located at the bottom center of the panel is used in presenting the tone. The tone is normally off until this lever is pressed in the downward direction and will remain on so long as the lever is kept depressed. When the lever is released, it will spring back to its normal position, thus turning the tone off. If it is desired to present a continuous tone, simply rotate the bar lever in the counterclockwise direction until it locks in the "ON" position.

This Attenuator (Hearing Loss Control) control, which is used to vary the intensity of the tone, is the large dial located at the left side of the panel. It is calibrated in five decibel steps, having a maximum of 80 and a minimum of 0 decibels at all frequencies except 250 CPS. At this frequency the maximum output is at 70 decibels. The actual intensity of the attenuator setting is indicated by the left arrow of the large double-headed arrow located along the horizontal center of the panel, between the attenuator and the frequency dials.

## **SPECIFICATIONS**

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Attenuator Range 0 to 80 decibels (in 5 db steps)

Frequency Range: Seven frequencies: 250, 500, 1000, 2000, 3000, 4000, 6000

Calibration Accuracy: Within 1.5 db of indicated level

Frequency Accuracy: Within 2% of indicated frequency

Tone Interrupter: Approximately 0.1 second (Rise and decay time)

Power Source: Battery powered 2 Mallory Mercury batteries TR-136R or equivalent

Dimensions: 8.5" x 11" x 6"

Weight: 5 lbs.