

Electro-Voice®
a gulton company

Model 1724 Electret Condenser Lavalier Microphone

SPECIFICATIONS

Element	Electret condenser
Frequency Response	50 to 15,000 Hz
Polar Pattern	Omnidirectional
Impedance	1000 ohms (will work into low or high impedance inputs)
Output Level	-68 dB (0 dB = 1 volt/dyne/cm ²)
EIA Sensitivity Rating	-148 dB
Signal-to-Noise Ratio	50 dB
Maximum Sound Pressure	132 dB SPL
Battery Required	1.3 volts Mercury or 1.5 volts Silver Oxide (see Powering The 1724)
Current Drain	180 to 220 microamps
Dimensions	14 mm (.55") dia. 40.5 mm (1.59") long
Temperature Extreme	-10° to 60° C
Cable	4 m (13 ft) single conductor shielded, black
Case Material	Aluminum Alloy
Finish	Oxide anodized nickel tone & black
Net Weight	52.5 grams (1.9 oz) with battery
Accessories Furnished	Tie clasp

DESCRIPTION & APPLICATIONS

The Electro-Voice Model 1724 is an extremely small electret condenser lavalier microphone with an omnidirectional polar pattern. The smooth wide range frequency response makes the 1724 an ideal microphone for industrial TV applications, home recording, lecture halls and other educational and public address applications. The 1724 comes with a convenient tie clasp holder which allows the microphone to be easily attached to the clothing. It is an ideal microphone for use where hands-free operation or an unobtrusive microphone is desired.

The 1724 features a rugged electret condenser element that is designed to withstand the extremes of temperature and humidity. The durable cable (13 ft) will hold up under the strain of daily use, an important feature for the small lavalier microphone. The unbalanced output works equally well into low or high impedance inputs.

POWERING THE 1724

The 1724 is powered by a 1.3 volt Mercury hearing aid type battery. A 1.5 volt Silver Oxide battery may also be used. The Mercury battery will operate the microphone continuously for over 1000 hours. To prolong battery life, the battery should be removed when the microphone is not going to be used for an extended period of time. The following are the recommended

batteries for use with the 1724 microphone:

	Mallory	Eveready
Mercury Battery	RM-675	E-675
Silver Oxide Battery	MS-76	S-76

To insert the battery unscrew top half of microphone and place battery (+) side up in top half of microphone case. See Figure 4. Screw microphone halves together and the 1724 is in operation.

ARCHITECTS' & ENGINEERS' SPECIFICATIONS

The microphone shall be an omnidirectional electret condenser type with frequency response from 50 to 15,000 Hz. The signal-to-noise ratio shall be 50 dB. The impedance shall be 1000 ohms. The output shall be unbalanced with a level of -68 dB re 1 V/dyne/cm² and an EIA sensitivity rating of -148 dB. The microphone shall be powered by an internal 1.3 volt Mercury battery or a 1.5 volt Silver Oxide battery. The microphone case shall be 14 mm (.55") in diameter, 40.5 mm (1.59") long, and the case shall be made of aluminum with an oxide anodized nickel tone and black finish. The microphone will include a 4 m (13 ft) single conductor shielded cable which shall be permanently attached to the microphone. The microphone shall weigh 52.5 grams (1.9 oz). A tie clasp type holder shall be provided.

The Electro-Voice Model 1724 is specified.

WARRANTY (Limited) —

Electro-Voice General Purpose Microphones are guaranteed without time limit against malfunction in the acoustic system due to defects in workmanship and materials. (Any active electronics incorporated in a microphone is guaranteed for three years from date of original purchase against such malfunction.) If such malfunction occurs, microphone will be repaired or replaced

(at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not cover finish, appearance items, cables, cable connectors, or switches and does not cover malfunction due to abuse or operation at other than specified conditions. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

For repair information and service locations, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone 616/695-6831) or 7473 Avenue 304, Visalia, CA 93277 (209/625-1330,-1).

Electro-Voice also maintains complete facilities for non-warranty service of E-V products.

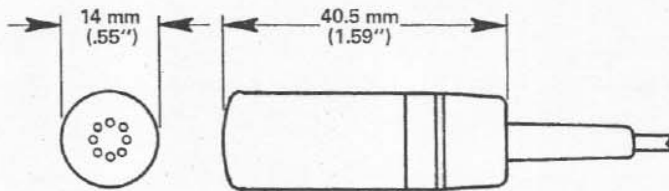


FIGURE 1 — Dimensions

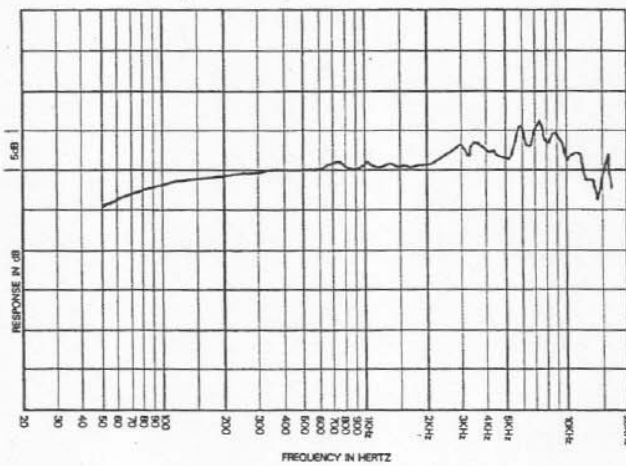


FIGURE 2 — Frequency Response

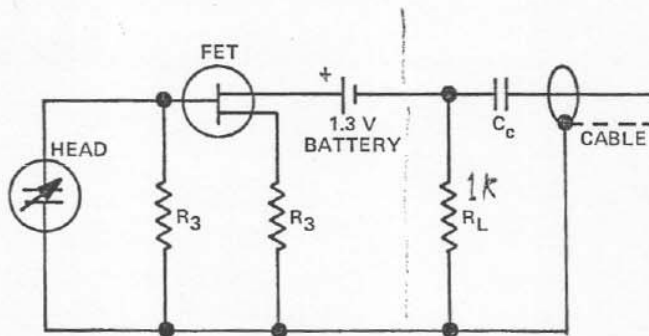


FIGURE 3 — Schematic

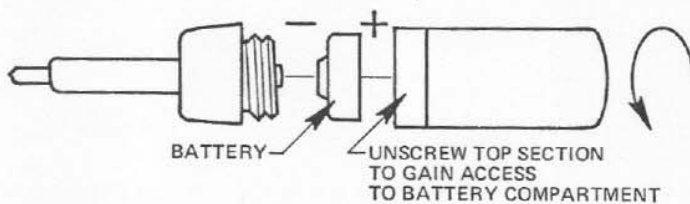


FIGURE 4 — Battery Access