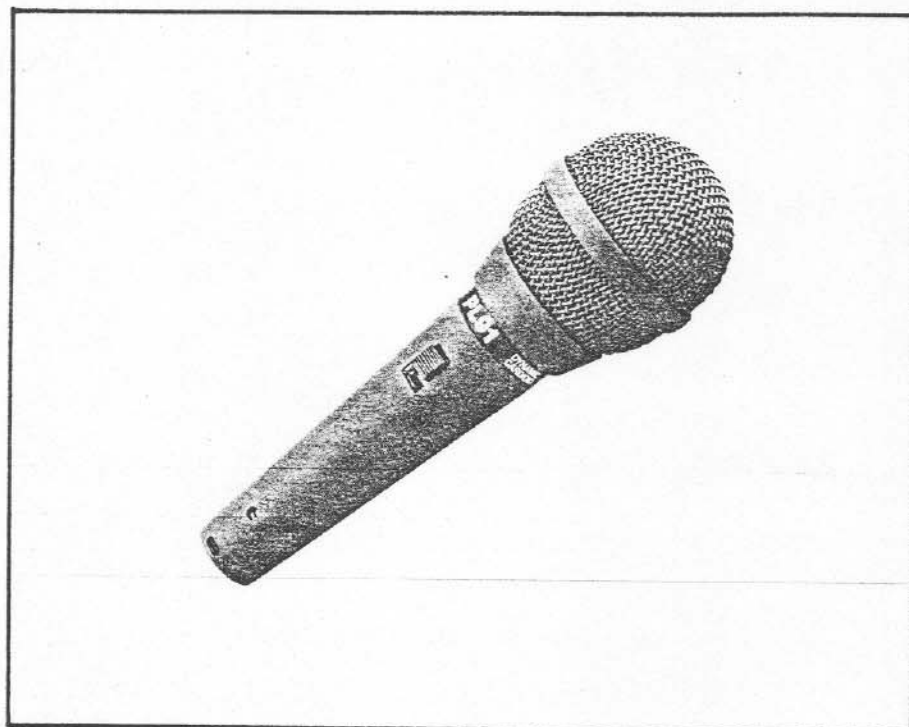




Electro-Voice®
a gulton company

Model PL91 Dynamic Cardioid Vocal Microphone

SPECIFICATIONS

Element:
 Dynamic
Frequency Response:
 60-14,000 Hz
Polar Pattern:
 Cardioid
Impedance:
 Lo-Z, 150 ohms balanced
Output Level,
 -57 dB
 (0 dB = 1 mW/10 dyne/cm²)
Pop Filter:
 Built in Acoustifoam™
Grille Screen Material:
 Memraflex (tempered spring steel)
Switch:
 On-Off (lockable)
Case Material:
 Zinc die cast
Finish:
 Non-reflecting gray
Dimensions:
 157.2 mm (6.19") long
 (excluding cable connector).
 49 mm (1.97") largest diameter
Weight:
 226.8 g (8 oz)
Accessories Included:
 358 stand clamp
 Zippered vinyl carrying case
Optional Accessories:
 380 Attenuator
 541 cable
 542 cable
 543 cable
 544 cable
 351 windscreen

DESCRIPTION AND APPLICATIONS

The Electro-Voice Model PL91 is an extremely rugged dynamic cardioid microphone designed primarily for use by the vocal entertainer. When used close up, the PL91 exhibits the proper amount of bass boost that vocalists really like. When used close up, the PL91 delivers a mellow, full range sound. It has the bite to cut through a blaring main system. Also, because of the bass boost feature, many artists have selected it for use in miking percussion instruments. The PL91 utilizes a newly designed shock suspension that effectively reduces handling and cable noise.

Feedback in live entertainment situations is caused by sound being reflected off walls, speaker systems, amps, mixers, etc. back into the microphone. Microphones and speaker systems that exhibit peaked frequency response curves tend to trigger a feedback situation. Feedback problems can be minimized by using microphone and speaker systems that exhibit an overall smooth, peak free frequency response. The pro-line family of Electro-Voice microphones have an overall smoothness of frequency response that helps significantly to control feedback problems.

Feedback problems can be further minimized by using close miking techniques on all microphones used whether they be instrument microphones or vocal microphones. Close

miking techniques help reduce feedback because the microphone's signal to the amplifier is at a maximum in this condition and the amplifier's gain setting can be reduced appreciably. This yields a significant reduction of background and reflected sound to the microphone as compared to the entertainer's voice giving more system sound output before feedback.

WARRANTY (Limited) — All Electro-Voice PL Microphones are guaranteed for one year from date of original purchase against defects in workmanship and materials. 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 or 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.

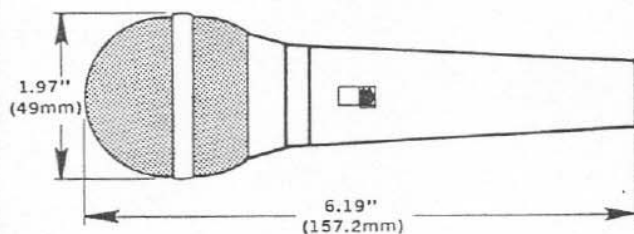


FIGURE 1 – Dimensions

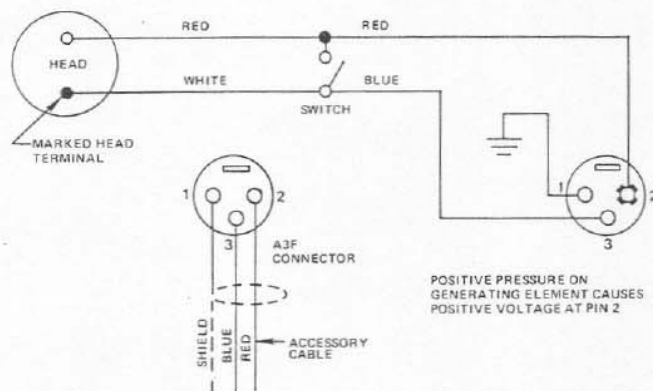


FIGURE 2 – Wiring Diagram

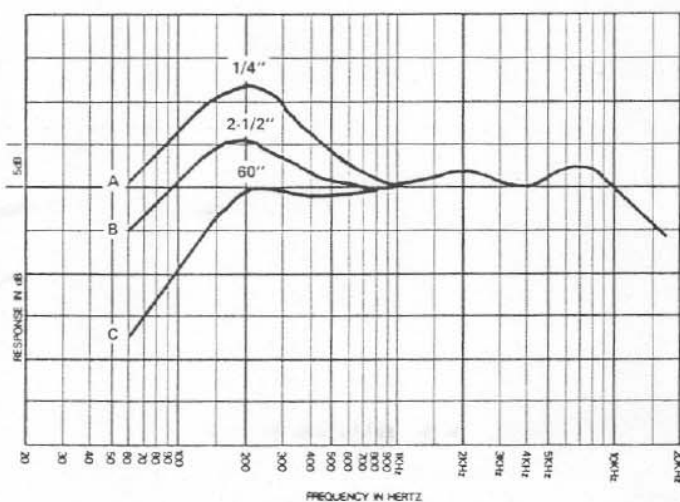


FIGURE 3 – Frequency Response

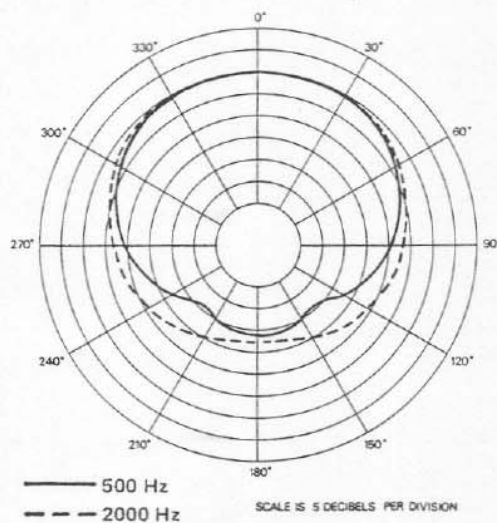


FIGURE 4 – Polar Response

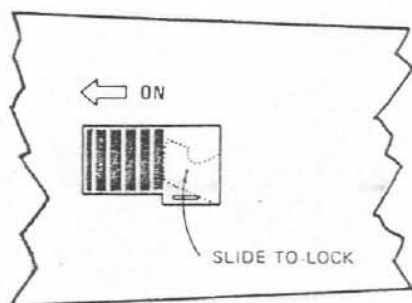


FIGURE 5 – Locking Feature

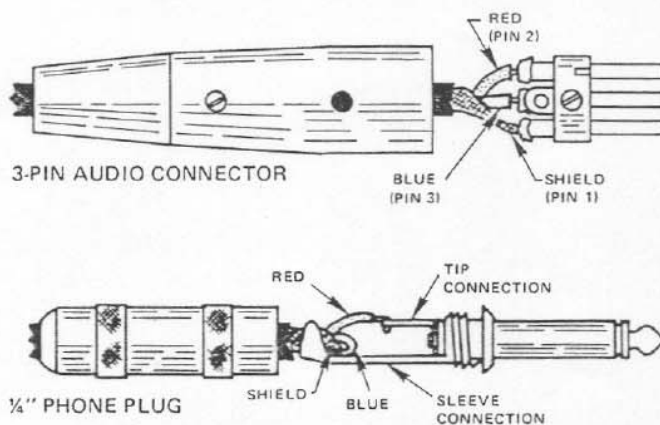


FIGURE 6 – 3-Pin Connector & 1/4" Phone Plug Wiring Connections