

Electro-Voice®
a gulton company



Model PL6

Dynamic Super Cardioid Instrument Microphone

SPECIFICATIONS

Element:
Dynamic

Frequency Response:
90 to 13,000 Hz

Polar Pattern:
Super Cardioid

Impedance:
Lo-Z, 150 ohms balanced

Output Level:
-56 dB
(0 dB = 1 mW/10 dynes/cm²)

Pop Filter:
Built-in Acoustifoam™

Grille Screen Material:
Memraflex (tempered spring steel)

Case Material:
Diecast zinc

Finish:
Non-reflecting gray

Dimensions:
165 mm (6.5") long
38 mm (1.5") maximum,
(tapered shank)

Weight:
298 g (10.5 oz)

Accessories Included:
358 stand clamp
Zippered vinyl carrying case

Optional Accessories:
360 windscreen
380 attenuator
541 cable
542 cable
543 cable
544 cable

U.S. Patent Number 3,115,207.

DESCRIPTION AND APPLICATIONS

The Electro-Voice Model PL6 is a rugged and reliable dynamic cardioid instrument microphone that provides faithful reproduction of sound regardless of working distance, and yet effectively controls unwanted back-ground noise. Change of bass response with working distance is not a problem with the PL6 because it has the patented EV Variable-D® feature. Plug it in, set the level, and forget it.

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 back-ground and reflected sound to the microphone as compared to the entertainer's voice giving more system sound output before feedback.

WARRANTY (Limited) —

Electro-Voice Pro-Line Microphones (excluding Model PL88) are guaranteed unconditionally against malfunction from any cause for a period of two years from date of original purchase. Also, these microphones are guaranteed without time limit against malfunction in the acoustic system due to 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. (Any active electronics incorporated in a microphone are guaranteed for three years from date of original purchase against such malfunction.) Warranty does not cover finish, appearance items, cable, cable connectors, or switches. Defect guarantee 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. The PL88 is guaranteed for two years from date of original purchase against defects in workmanship and materials. For repair information and service locations, please write: Service Dept., Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone: 616/695-6831) or Electro-Voice West, 8234 Doe Avenue, P.O. Box 3297, Visalia, CA 93277 (Phone: 209/651-7777).

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

Specifications subject to change without notice.

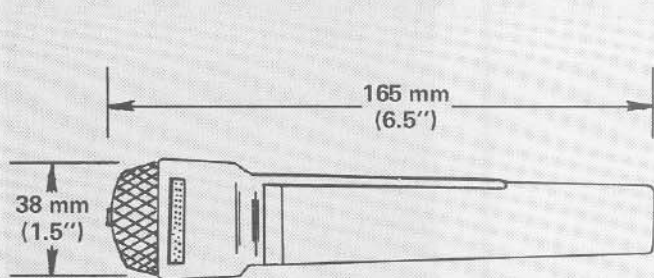


FIGURE 1 – Dimensions

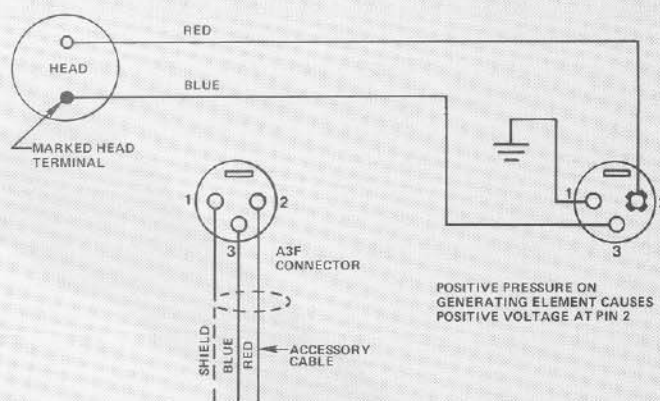


FIGURE 2 – Wiring Diagram

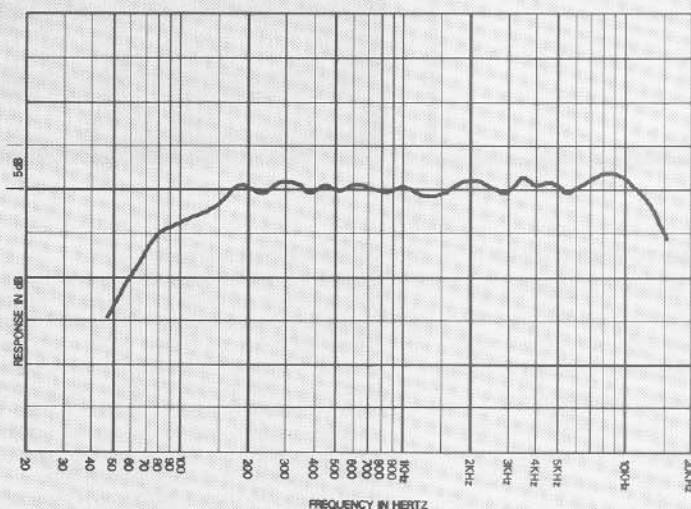


FIGURE 3 – Frequency Response

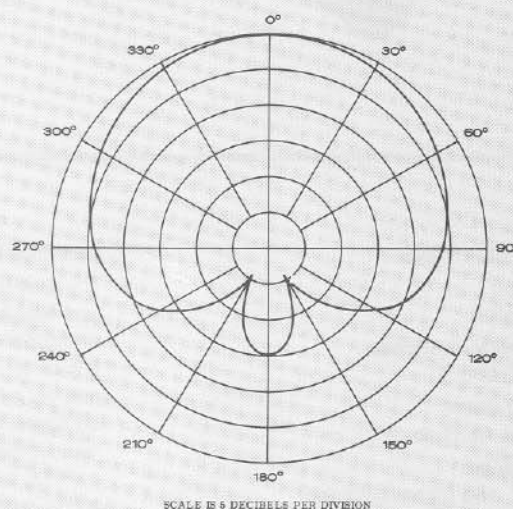


FIGURE 4 – Polar Response

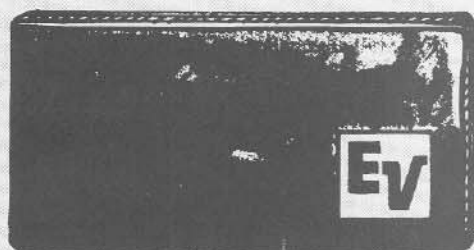


FIGURE 5 – Zippered Vinyl Carrying Bag

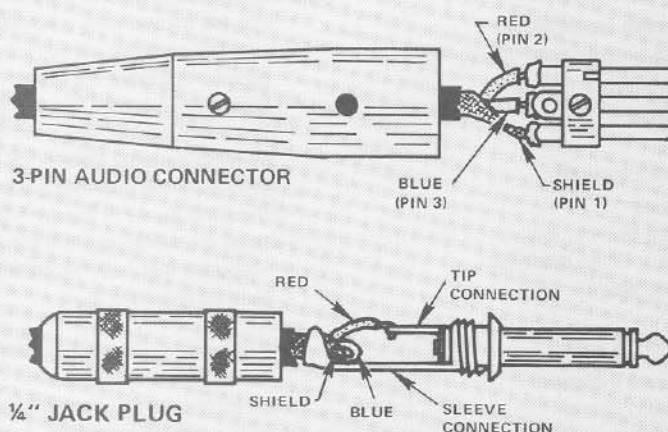


FIGURE 6 – 3-Pin Connector & 1/4" Jack Plug Wiring Connections



ELECTRO-VOICE, INC., 600 Cecil Street, Buchanan, Michigan 49107

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