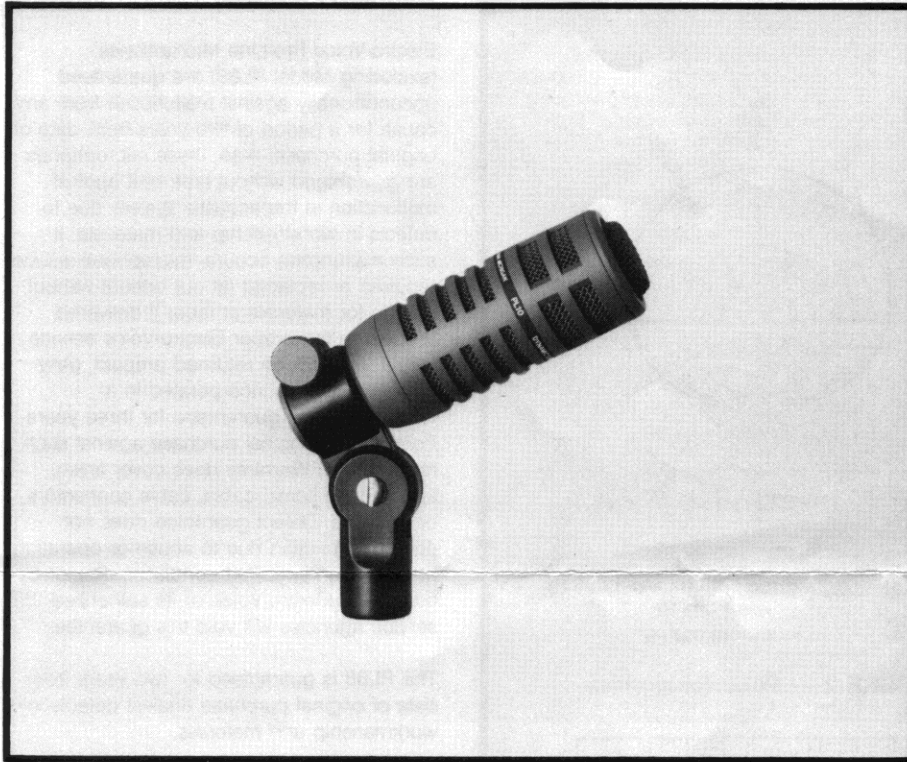


Electro-Voice®
a gulton company



Model PL 10 Dynamic Cardioid Instrument Microphone

SPECIFICATIONS

Element:

Dynamic

Frequency Response:

75-15,000 Hz

Polar Pattern:

Cardioid

Impedance:

Lo-Z (150 ohms nominal)

Output Level:

-55.8 dB

(0 dB = 1mW/10 dynes/cm²)

1.26 mv/Pascal @ 1 kHz

Hum Pickup Level:

-120 dBm/mOe

Diaphragm:

Electro-Voice Acoustalloy®

Case Material:

Steel

Dimensions:

134.6 mm (5.3 in.) long

42.2 mm (1.7 in.) wide

Finish:

Non-reflecting gray

Net Weight:

315 g (11 oz.)

Accessories Furnished:

No. 87213 stand adapter

Zipped vinyl carrying case

Optional Accessories:

309 shock mount

541 cable

542 cable

544 cable

DESCRIPTION AND APPLICATIONS

The Electro-Voice Model PL10 is a professional quality, dynamic, cardioid microphone created especially for music recording and live sound reinforcement applications requiring a flat frequency response over a very wide range. The extended frequency response, coupled with an excellent transient response, makes the PL10 easily comparable to the finest microphones for pickup of musical instruments or voices. The PL10 is virtually free of bass-boosting "proximity effect" when used close to a sound source because the PL10 is a Continuously Variable-D® microphone.

Designed as a cardioid microphone, the PL10 offers the greatest sound rejection at 180° off axis with a wide rear angle of attenuation which is typical of a cardioid microphone. Directional control is so effective that the frequency response is nearly

independent of angular location of the sound source, creating a minimal off-axis coloration yet providing the greatest possible rejection of unwanted sounds. An integral blast and wind filter covers each acoustic opening on the PL10. At recording sessions or on stage, vocalists can work the microphone up close, singing with their lips almost touching the grille screen with no worry of "p-pops" or excessive sibilance. The wind filter also shock mounts the internal microphone element, reducing the transfer of vibration from external sources such as drum or cymbal stands.

Utilizing this mechanical nesting concept of the internal transducer parts nested within a protective wind filter and shock mount, the PL10 is able to withstand all rigors of professional use. The diaphragm, made of Electro-Voice Acoustalloy®, is not affected by extremes of temperature and humidity. Further protection is provided by the extremely rugged exterior steel casing.

The PL10 will provide excellent sonic results when used with floor toms, elevated tom-toms, conga drums, brass instruments, guitar or bass speaker cabinets, and stand mounted lead or background vocals.

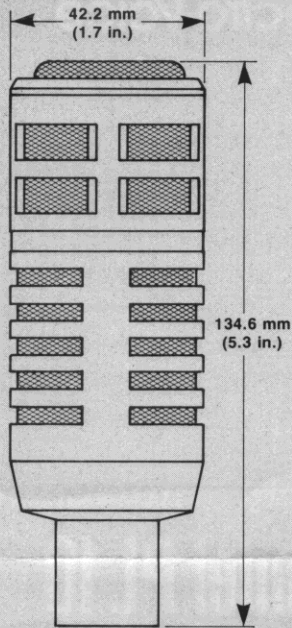


FIGURE 1 — Dimensions

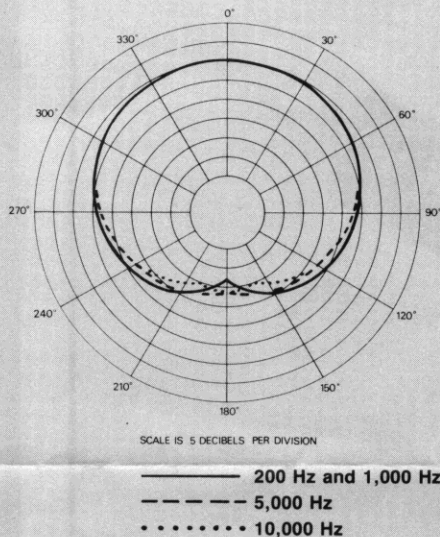


FIGURE 2 — Polar Responses

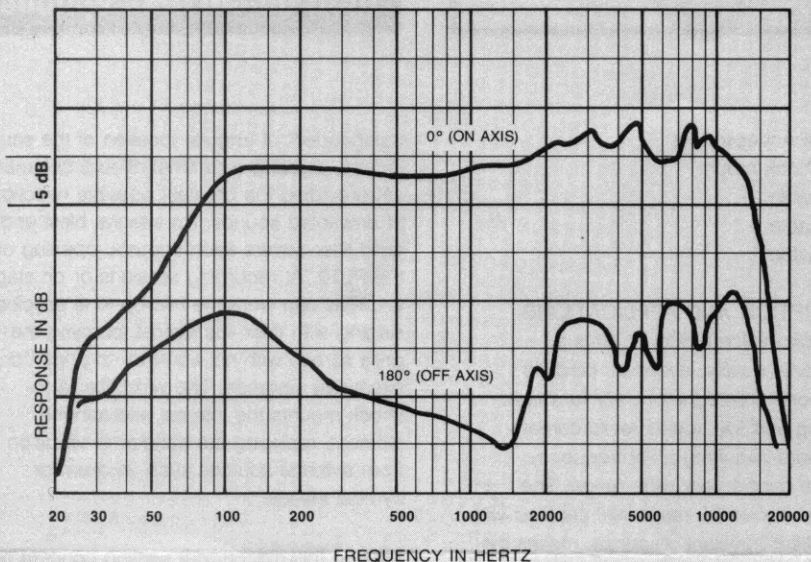


FIGURE 3 — Frequency Response

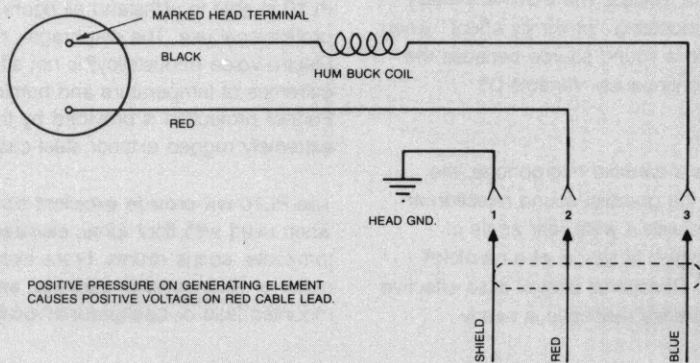


FIGURE 4 — Wiring Diagram

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 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 correct shipping address and instructions on return of Electro-Voice products for repair and locations of authorized service agencies, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone: 616/695-6831) or Electro-Voice West, 8234 Doe Ave., P.O. Box 3297, Visalia, California 93277 (Phone: 209/651-7777).

Service and repair address for this product: Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107.

Specifications subject to change without notice.



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

MANUFACTURING PLANTS AT ■ BUCHANAN, MI ■ NEWPORT, TN ■ SEVIERVILLE, TN ■ REDMOND, WA ■ GANANOQUE, ONT
 ©Gulton Industries, Inc. 1985 ■ Litho In U.S.A.

a gulton company

Part Number 530550-518