

Electro-Voice®
a gulton company

Model TR407 Dynamic Omnidirectional Instrument Microphone

SPECIFICATIONS

- Element:**
Dynamic
- Frequency Response:**
80-13,000 (Figure 2)
- Polar Pattern:**
Omnidirectional
- Impedance:**
Lo-Z, 150 ohms balanced
- Output Level:**
-55 dB
(0 dB = 1 mW/10 dynes/cm²)
- EIA Sensitivity:**
-149 dB
- Pop Filter:**
Built-in Acoustifoam™
- Grille Screen Material:**
Memraflex (tempered spring steel)
- Case Material:**
Steel
- Finish:**
Armourmatte
- Dimensions:**
151 mm (5.94 in.) long
36 mm (1.41 in.) diameter
- Weight:**
170 g (6 ounces)
- Accessories Included:**
312A stand clamp
458 zippered protective vinyl carrying pouch (Figure 4)
- Optional Accessories:**
314E windscreen
380 attenuator
- 541 - 25 ft professional cable with A3F type connector at mike end
542 - 25 ft professional cable with A3F & A3M type connectors
543 - 25 ft professional cable with switch connector at mike end
544 - 50 ft professional cable with A3F & A3M type connectors

DESCRIPTION AND APPLICATIONS

The Electro-Voice Model TR407 is a very versatile dynamic omnidirectional microphone that can be used on any number of instruments. Like all EV mikes, the TR407 is extremely rugged and reliable. It will provide many years of faithful service.

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. 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 TR Microphones are guaranteed unconditionally against malfunction from any cause for a period of two years from date of original purchase. 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, cable, cable connectors, or switches. 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 Electro-Voice West, 8234 Doe Avenue, Visalia, California 93277 (Phone: 209/651-7777).

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

Specifications subject to change without notice.

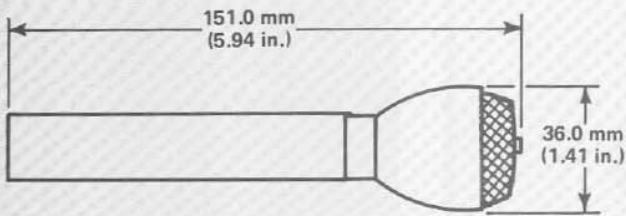


FIGURE 1 – Dimensions

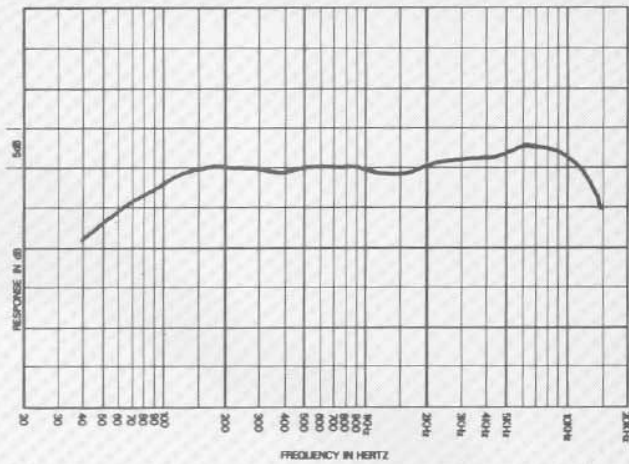


FIGURE 2 – Frequency Response

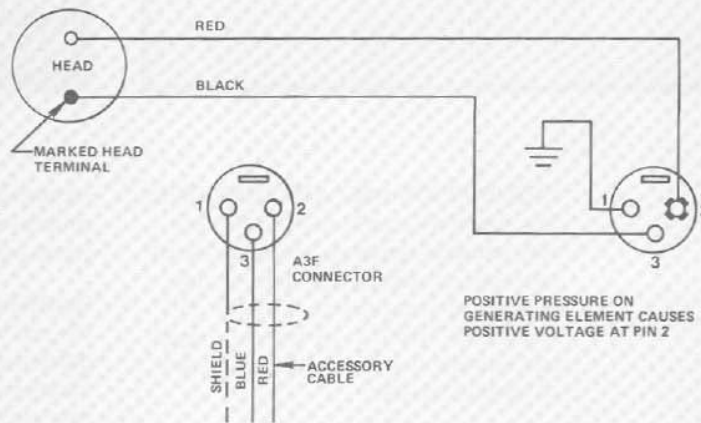


FIGURE 3 – Wiring Diagram

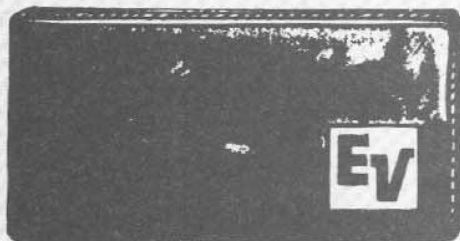
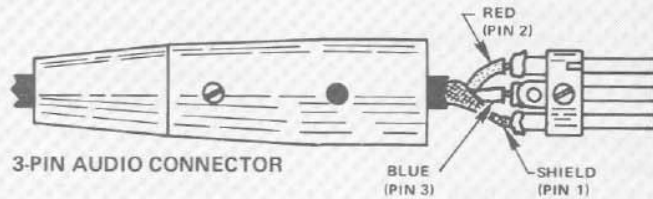
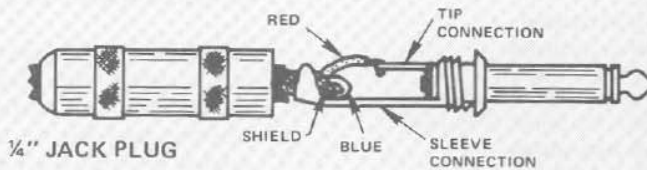


FIGURE 4 – Zippered Vinyl Carrying Pouch



3-PIN AUDIO CONNECTOR



1/4" JACK PLUG

FIGURE 5 – 3-Pin Connector & 1/4 in. Jack Plug Wiring Connections