



Electro-Voice D054 Omnidirectional Dynamic Microphone Instruction Manual

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Electro-Voice®

Electro-Voice D054 Omnidirectional Dynamic Microphone



Model D054
Omnidirectional
Dynamic Microphone

SPECIFICATIONS

- **Generating Element:** Dynamic
- **Frequency Response:** 50 to 18,000 Hz
- **Polar Pattern:** Omnidirectional
- **Impedance:** Lo-Z (150 ohms, balanced)
- **Output Level:** – 58 dB (0 dB = 1 mW/10 dynes/cm²)
- **EIA Sensitivity:** – 151 dB
- **Diaphragm:** Electro-Voice Acoustalloy®
- **Case Material:** Steel
- **Dimensions:** 28.6 mm (1.13 in.) widest diameter, 19.1 mm (0.75 in.) shank 146.1 mm (5.75 in.) long
- **Finish:** Fawn beige micrometer
- **Net Weight:** 184 g (6.5 ounces)
- **Cable:** 4.6 m (15 ft.), 2-conductor, shielded, rubber jacketed, broadcast-type cable with Switchcraft A3F connector on one end
- **Cable Connector:** Mates with Switchcraft A3F or equivalent
- **Accessories Furnished:** Model 312A clamp
Zippered vinyl carrying case
- **Optional Accessories:** Model 313A shock mount
Model 310/310 clamp
Model 340 security clamp
Model 355A windscreen

DESCRIPTION

- The Electro-Voice Model DO54 is a dynamic omnidirectional microphone designed for demanding professional applications where a compact, wide-range omnidirectional microphone is needed. The microphone is ideal for boom or stand mounting in recording and broadcast use, and is also excellent for close-up, handheld use in stage and interview situations. The DO54 was designed with a connector in mind, and it fits very comfortably into the hand when a standard broadcast connector is plugged into the microphone.
- Smooth, wide-range response, and low sensitivity to mechanical shock, combined with functional “easy to hold” styling, makes the DO54 a versatile professional microphone suited for any number of uses. The nonreflecting, fawn beige micomatte finish of the DO54 eliminates hot spots for on-camera use.
- This microphone features the exclusive, non-metallic Electro-Voice Acoustalloy® diaphragm that assures very smooth frequency response and is impervious to damage from extremes of temperature and humidity.

APPLICATIONS

The DO54, an omnidirectional microphone, is outstanding in applications where uniform sensitivity in all directions is desirable.

1. Frequency response, flat and uniform across the entire usable range makes the DO54 a good choice for:
 - Symphony and other wide-range recording situations where reverberation is not a problem.
 - Calibration for use as a secondary standard in acoustic measurements where information below 50 Hz is unimportant.
2. The small diameter ($\frac{3}{4}$ -inch shank) makes the DO54 comfortable and convenient for handheld use by:
 - Vocalist, for stage and television work.
 - News, reporters, for interviews.

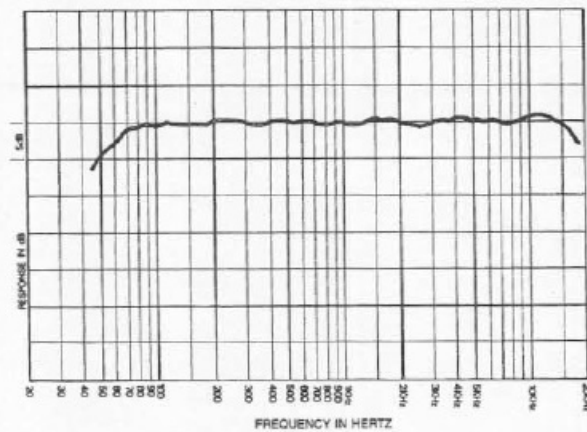


FIGURE 1 — Frequency Response Curve

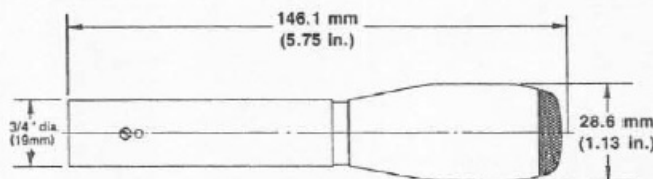
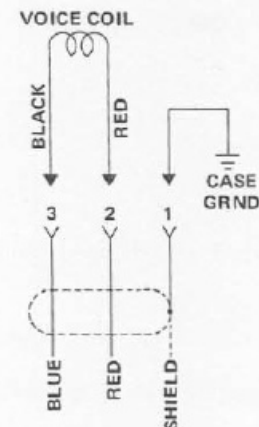


FIGURE 2 — Dimensions



NOTE: POSITIVE VOLTAGE ON RED CABLE LEAD WITH POSITIVE PRESSURE.

FIGURE 3 — Wiring Diagram

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

- The microphone shall be an omnidirectional dynamic type with wide-range frequency response, uniform from 50 to 18,000 Hz. The diaphragm shall be a non-metallic Acoustalloy and shall have a magnetic shield to prevent dust and magnetic particles from reaching the diaphragm. The impedance shall be such that the microphone will match all low impedance inputs (50 to 250 ohms). The line shall be balanced to ground and phased.
- The output level shall be -58 dB (0 dB = 1 mW/10 dynes/cm²). EIA sensitivity rating shall be - 151 dB. The case shall be made of steel. Overall length of the microphone shall be 146.1 mm (5.75 in.). Major diameter shall not exceed 28.6 mm (1.13 in.) and minor (or shank) diameter shall not exceed 19.1 mm (0.75 in.). Finish shall be non-reflecting, fawn beige micrometer. A 4.6 m (15 foot), 2-conductor, shielded, broadcast-type synthetic rubber jacketed cable with Switch craft A3F connector installed, shall be provided. The microphone shall have a built-in cable connector such that it will mate with the Switch craft A3F connector, or equivalent. A Model 312A clamp and vinyl carrying pouch shall be supplied. The Electro-Voice Model DO54 is specified

WARRANTY (Limited)

- Electro-Voice Professional, PL & BK Series Microphones are guaranteed 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 workman- ship and material. Any active electronics incorporated in the microphone are guaranteed for three years from date of original purchase for parts and labor against such malfunction. If such malfunction occurs, microphone will be repaired or replaced (at our option) without charge for materials or labor it delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not extend to finish, appearance items, cables, cable connectors, switches, or malfunction due to abuse or operation under other than specilied conditions, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of


incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than Electro-Voice or its authorized warranty service agencies will void this guarantee. A list of authorized warranty service centers is available from Electro-Voice, Inc., 600 Cecil Street, Buchanan, MI 49107 (AC/616-695-6831); or Electro-Voice West, 8234 Doe Avenue, Visalia, CA 93291 (AC/209-651-7777). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

- Service and repair address for this product: Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107.
- Specifications subject to change without notice.

MANUFACTURING PLANTS AT

- BUCHANAN MI | NEWPORT, TN | SEVERVILLE TN
- OKLAHOMA CITY, OK # GANANOQUE. ONT
- **Part Number** 530253–630

Documents / Resources

	<p>Electro-Voice D054 Omnidirectional Dynamic Microphone [pdf] Instruction Manual D054 Omnidirectional Dynamic Microphone, D054, Omnidirectional Dynamic Microphone, Dynamic Microphone, Microphone</p>
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References

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