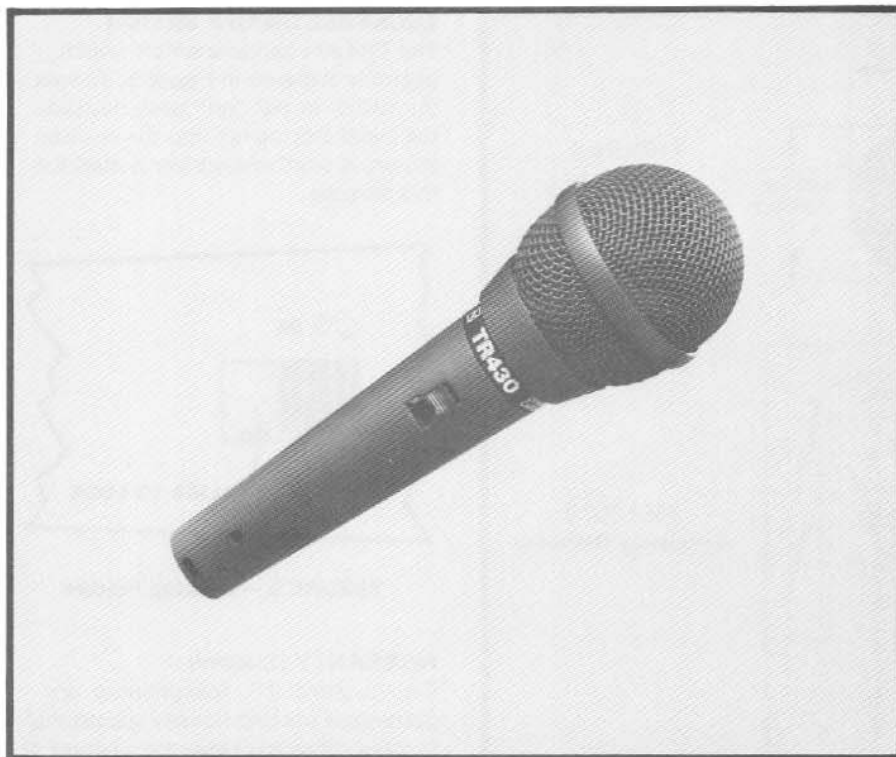




Electro-Voice®
a gulton company

Model TR430 Dynamic Cardioid Vocal Microphone

SPECIFICATIONS

Generating Element:
Dynamic

Frequency Response:
60 to 18,000 Hz (see Figure 2)

Polar Pattern:
Cardioid (see Figure 3)

Impedance:
150 ohms, balanced

Output Level:
-59 dB
(0 dB = 1 mW/10 dynes/cm²)

EIA Sensitivity:
-152 dB

Switch:
On/off (lockable)

Pop Filter:
Built-in Acoustifoam™

Grille Screen Material:
Memraflex

Case Material:
Diecast Zinc

Dimensions:
157 mm (6.19 in.) long
50 mm (1.97 in.) maximum diameter

Net Weight:
227 g (8 ounces)

Finish:
Armourmatte

Accessories Included:
358 stand adapter
458 zippered protective vinyl carrying pouch

Optional Accessories:
351 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 TR430 is a Single-D dynamic cardioid microphone designed primarily for use by the vocal entertainer. When used close up, the TR430 exhibits the proper amount of bass boost (proximity effect) that vocalists really like. The high-frequency performance of the TR430 has been specially shaped and extended for a clean, open sound that cuts through. The cardioid directional characteristic resists feedback when working close to sound reinforcement speakers and monitors. A built-in Acoustifoam™ blast filter enables close talking or singing without worry of "P-popping" or other excessive breath and sibilant noise. An effective shock mount keeps handling noise to a minimum. The TR430 features a rugged diecast zinc case. The Memraflex grille screen retains its shape. The on/off switch may be locked in the "on" position if desired.

USING THE VARIABLE LOW-FREQUENCY RESPONSE (PROXIMITY EFFECT)

The TR430's low-frequency response varies with the distance from the sound source to the microphone as shown in Figure 2. Maximum bass response is produced in close-up use with the microphone 1/4-inch from the sound source. Minimum bass response is

experienced at distances greater than 24 inches.

Useful special effects can be created by an imaginative application of the TR430's proximity effect:

1. By working closer to the microphone, the human voice will sound more robust.
2. Working close to the TR430 provides a reduced tendency to PA system feedback, over and above that provided by the cardioid directional characteristic alone. When close-talked, the substantial bass boost provides an increase in overall microphone output level. The mixer gain may be proportionately reduced, resulting in a reduction of the system's sensitivity to feedback caused by sound entering the microphone from the distant loudspeakers.
3. For musical instrument pickup, the variable bass response can be utilized to achieve a "clean" bass pickup at a distance of 24 inches or more. By moving the TR430 to a few inches from the instrument, bass will be increased.

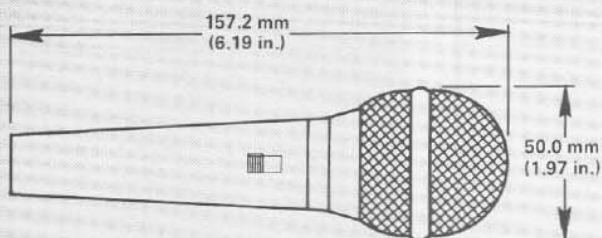


FIGURE 1
Dimensions

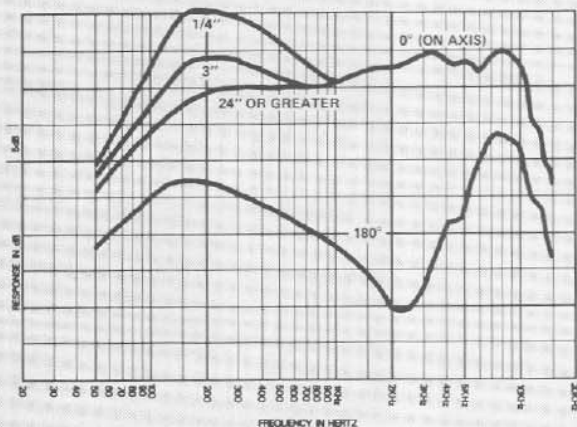


FIGURE 2
Frequency Response

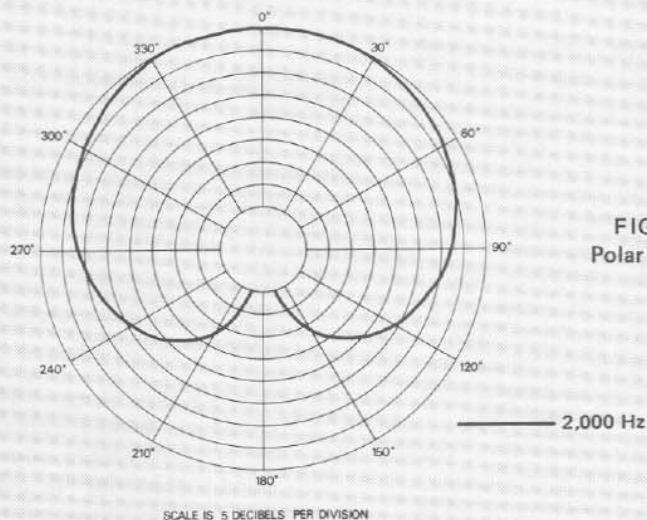


FIGURE 3
Polar Response

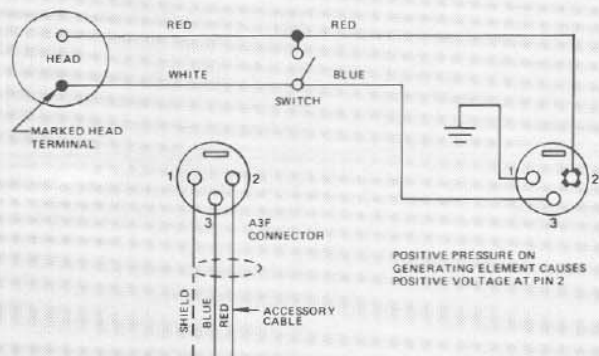


FIGURE 4
Wiring Diagram

LOCKABLE ON/OFF SWITCH

The TR430's lockable on/off switch assembly is shown in Figure 5. To lock the switch in the "on" position, slide the metal locking tab into the position shown. A small screwdriver is ideal for this purpose.

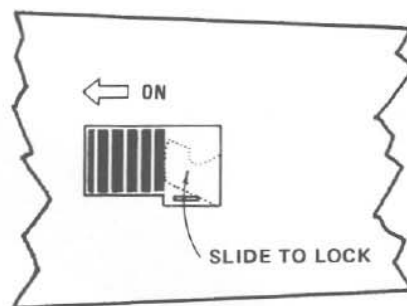


FIGURE 5 — Locking Feature

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 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.