



**DESCRIPTION**

The Electro-Voice Model RE55 is a dynamic omnidirectional microphone designed for the most demanding professional applications. Ideal for boom or stand mounting in recording and broadcast use, it is excellent also for close-up hand held use in stage and interview situations.

Smooth, wide range response, high output level, and low sensitivity to mechanical shock, combined with functional "easy to hold" styling, make the RE55 one of the most versatile professional microphones ever created. The non-reflecting, matte satin nickel finish 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 RE55, an omnidirectional microphone, is outstanding in those situations where uniform sensitivity in all directions is desirable.

1. Frequency response, flat and uniform across the entire usable range makes the RE55 a good choice for:
  - a. Symphony and other wide range recording situations where reverberation is not a problem.
  - b. Calibration for use as a secondary standard for acoustic measurements.
2. Small diameter (3/4-inch shank) makes the RE55 comfortable and convenient for hand held use by:
  - a. Vocalists, for stage and television work.
  - b. News reporters for interviews.

**SPECIFICATIONS**

- Generating Element:** Dynamic
- Frequency Response:** 40 to 20,000 Hz
- Polar Pattern:** Omnidirectional
- Impedance:** Lo-Z (150 ohms)
- Output Level:** -55 db  
(0 db = 1 mw/10 dynes/cm<sup>2</sup>)
- EIA Sensitivity:** -149 db
- Diaphragm:** Electro-Voice Acoustalloy®
- Case Material:** Steel
- Dimensions:** 10-1/2" long (overall)  
1-7/32" major diameter  
(shank 3/4" diameter)
- Finish:** Non-reflecting matte satin nickel
- Net Weight:** 8-1/2 ounces, without cable
- Cable:** 18', 2-conductor, shielded, rubber jacketed, broadcast type cable with Switchcraft A3F connector.
- Cable Connector:** Mates with Switchcraft A3F
- Accessories Furnished:** Model 310A clamp and protective metal carrying case
- Optional Accessories:** Model 311A "snap out" clamp

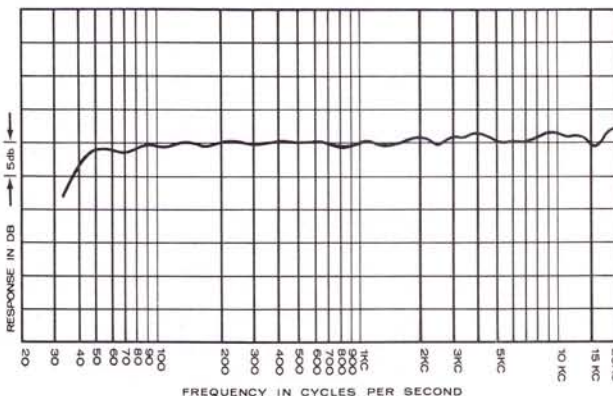


Figure 1 - Response Curve

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an omnidirectional, dynamic type with wide range frequency response, uniform from 40 to 20,000 Hz. The diaphragm shall be 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  $-55$  db ( $0$  db =  $1$  mw/10 dynes/cm<sup>2</sup>). EIA sensitivity rating shall be  $-149$  db. The case shall be made of steel. Overall length of the microphone shall be  $10\text{-}1/2$ ". Major diameter shall not exceed  $1\text{-}7/32$ ", and minor (or shank) diameter shall not exceed  $3/4$ ". Finish shall be non-reflecting, matte satin nickel. An  $18$ ', 2-conductor, shielded, broadcast type, synthetic rubber jacketed cable with Switchcraft A3F connector installed, shall be provided. The microphone shall have a built-in cable connector such that it will mate with the Switchcraft A3F. A Model 310A stand coupler and metal carrying case shall be supplied. The Electro-Voice Model RE55 is specified.

## WARRANTY

The RE55 is guaranteed unconditionally against malfunction for two years from date of purchase. Within this period, Electro-Voice will repair or replace, at no charge, any RE55 exhibiting any malfunction regardless of cause, including accidental abuse. In addition, the RE55 is guaranteed for life against defects in original workmanship and materials.

