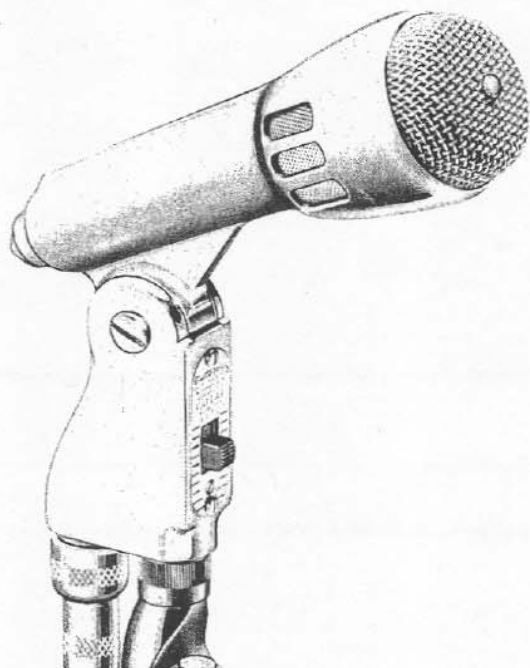




FEATURES

- Carefully designed crystal element provides smooth wide-range response at low cost.
- Variable-D® cardioid - excellent front to back ratio, proximity effect eliminated.
- "On-Off" switch in stand-mounting stud.

DESCRIPTION AND APPLICATIONS

The Electro-Voice 951 is a crystal, Variable-D® microphone. The cardioid pattern is obtained through the use of two sound entrances located in the microphone case at different distances in back of the diaphragm. These sound entrances, each utilizing the proper acoustical impedance, combine to form one effective back entrance which varies acoustically in distance from the diaphragm, inversely with the frequency. The resulting phase and amplitude conditions produce a uniform cardioid pattern over a relatively wide frequency range. Patented Variable-D maintains frequency response characteristic virtually independent of working distance, thus eliminating "proximity" effect.

A high capacitance Bimorph type crystal, sealed against moisture, assures stable frequency response and long life. High output level (-55 db) makes the Model 951 highly adaptable to all standard amplifier high-impedance inputs.

Mechanical construction of the Model 951 is such that maximum protection against mechanical shock damage is assured. The microphone case is die-cast zinc, with satin chrome finish. An "On-Off" switch is provided in the stand-mounting stud. The microphone may be adjusted for desired position through an included angle of 75°. Standard 5/8 -27 threads are provided in the base of the stand-mounting stud.

The Model 951 is equipped with a pop-proof wire mesh grille to minimize wind and breath blasts. It can be used on a floor stand or desk stand or hand held.

SPECIFICATIONS

Generating Element:	Crystal
Frequency Response:	50 to 11,000 Hz
Polar Pattern:	Cardioid
Impedance:	Hi-Z only
Output Level:	-55 db
EIA Sensitivity Rating:	-155 db
Case:	Die-cast zinc
Dimensions:	5-7/16" l x 1-23/32" dia. (6-1/2" long including stud)
Finish:	Satin Chrome
Net Weight:	1-1/4 lb. (less cable)
Switch:	"On-Off", shorts microphone in "Off" position.
Cable:	15-foot single conductor shielded.
Cable Connector:	Amphenol MC-1F
Stand Coupler:	5/8" -27 threads

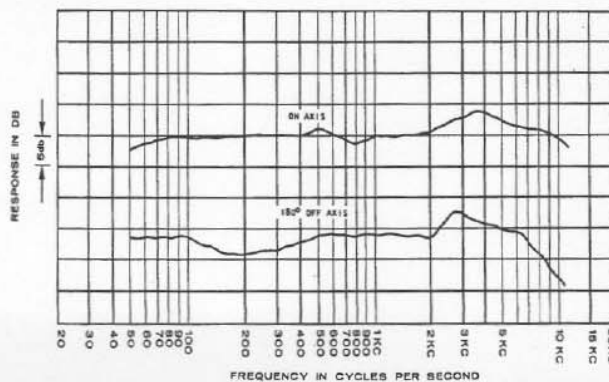


Figure 1 - Frequency Response

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a crystal cardioid Variable-D® microphone, with a uniform frequency response from 50 to 11,000 Hz. The microphone shall have a high-impedance output that shall work into a grid resistance of from 500,000 ohms to 2 megohms. Output level shall be -55 db and EIA sensitivity rating shall be -155 db (0 db = 1 volt/dyne/cm²). The case shall be die-cast zinc with satin chrome finish. Microphone dimension shall be 5-7/16" long and 1-23/32" maximum diameter (exclusive of stand mounting stud). Dimension of stand-mounting stud shall be 2-3/4" high and 1-3/4" deep. Stud shall provide standard 5/8 -27 threads for stand mounting. Net weight (less cable) shall be 1-1/4 lb. A 15' single-conductor, shielded cable shall be provided with connector installed that will mate with Amphenol MC-1 connector on microphone stud. The stand-mounting stud shall permit tilting the microphone without strain on the connector or cable, through an included angle of 75°, and shall include an integral "On-Off" switch. The Electro-Voice Model 951 is specified.

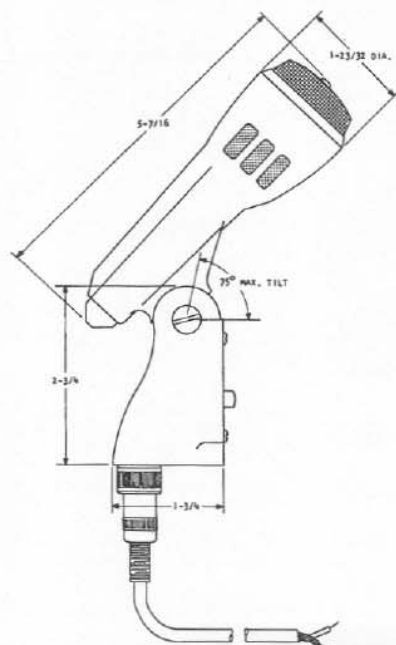


Figure 2 - Dimensions

NOTE: Crystal and ceramic microphone elements function as voltage generators. The use of extremely long cables results in relatively severe attenuation of the signals generated by these devices. Generally, cables longer than 20 feet should not be used. Attenuation resulting from the use of longer cables is illustrated below:

Cable Length in Feet	Db Loss in Level
20	0.8
40	1.4
60	2.0
100	3.2
150	4.4
200	5.6

WARRANTY

The Model 951 is guaranteed against defects in workmanship and materials for one year. Damage to the crystal element due to exposure to temperature exceeding 112° F is not covered by this warranty.

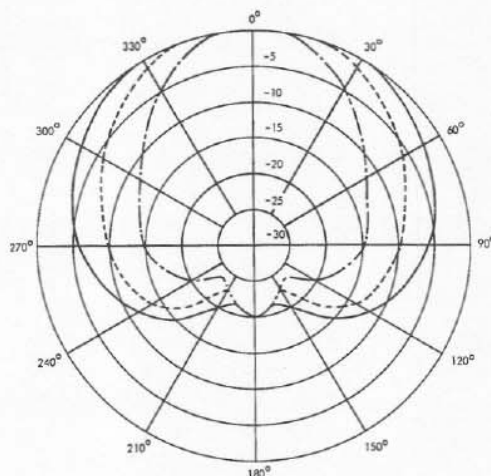


Figure 3 - Polar Response

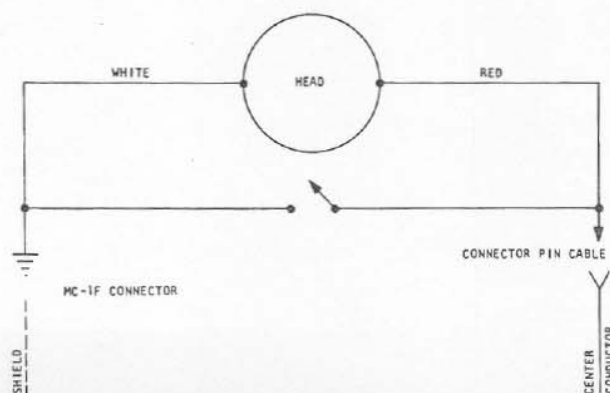


Figure 4 - Wiring Diagram