



Dynamic Cardioid,
instrument Microphone PL20



The Electro-Voice PL20 is a professional quality dynamic cardioid microphone created especially for recording, broadcast, and sound reinforcement applications requiring essentially flat response over a wide frequency range. The wide frequency response, coupled with excellent transient response, makes the PL20 easily comparable to the finest condenser cardioid microphones for pick up of musical instruments of vocals. Unlike standard condenser cardioid microphones, however, the PL20 is virtually free of bass boosting "proximity effect" when used close, because in design it is a Continually variable-D microphone. An easily operated "bass tilt down" switch corrects spectrum balance for use in long reach situations, or other applications where bass attenuation is needed.

A true cardioid microphone, the PL20 offers greatest rejection at 180 degrees off axis - directly to the rear of the microphone. Directional control is so effective that the frequency response is nearly independent of angular location of sound source, creating virtually no off-axis coloration yet providing greatest possible rejection of unwanted sounds.

An integral blast and wind filter covers each acoustical opening on the PL20. At recording sessions and on stage, singers can "close talk" the microphone, singing with their lips almost touching the grille screen with no worry of "p-pops" or excessive sibilance. Part of the filter also shock mounts the internal microphone element, reducing the transfer of vibrations from external sources.

Using the mechanical nesting concept of design - the internal transducer parts are nested one within another - the PL20 is able to withstand all rigors of professional use.

PL20 Specifications

Polar Pattern:

Cardioid

Frequency reponse:

45...18000 Hz

Open circuit output level

1.5 mV/Pa at 1000 Hz

Power Sensitivity at 1000 Hz

-57 dB (0 dB=1mW/10 dynes/cm)

Impedance

150 ohms balanced

Microphone Dimentions:

8.53 x 2.14 x 1.94 inches

Weight:

26 ounces, 737 g