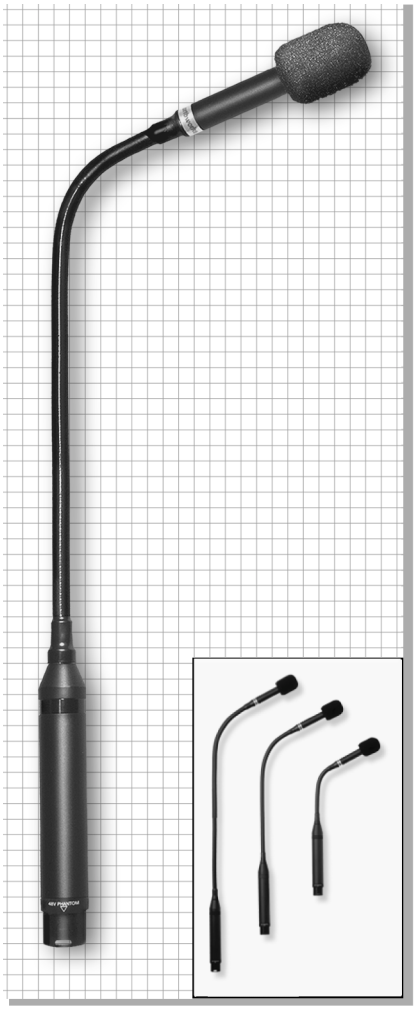
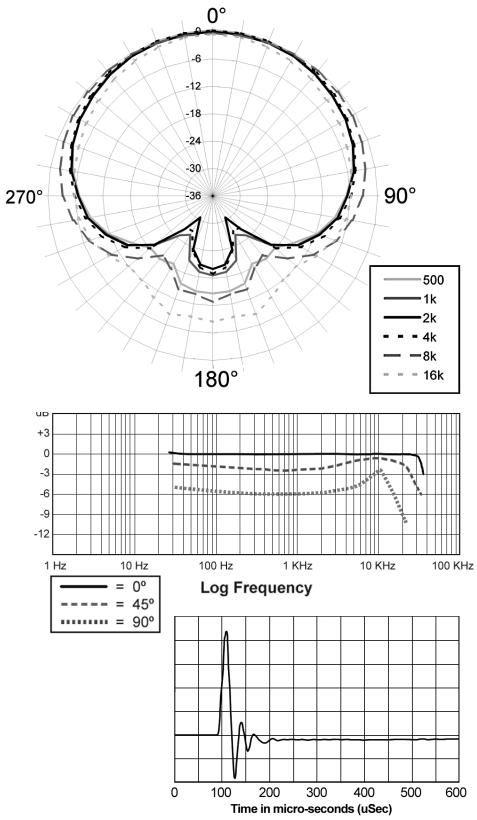
Flex Mic FM720/HC • FM500/HC • FM360/HC



- Patented Cardioid Technology
- Uniform Frequency Response at 0°, 45° & 90°
- More Gain Before Feedback
- Highly Intelligible
- On or Off Axis Always Hear the Orator
- No Handling Noise
- 20kHz Frequency Response
- 145dB SPL Max Acoustic Input
- The Perfect Podium Microphone
- Available in Three Sizes

FM720/HC	FM500/HC	FM360/HC
720 mm	500 mm	360 mm
27 inches	19 inches	13 inches



Architectural & Engineering Specifications

The microphone shall be a back-electret condenser type with a wide-range uniform frequency response of 50 Hz to 20 kHz, ±2 dB. The microphone shall have an output level of 10 mV/Pa. The microphone shall be of a single capsule, single membrane design. The microphone shall have an impulse response with the rise time no longer than 25 microseconds, and total settling time, including the rise time, no longer than 120 microseconds. The microphone shall have polar characteristics uniform in all planes to form a hypercardioid of revolution. The microphone shall accept sound pressure levels up to 145 dB producing no more than 3% THD. Dimensions shall be 360 mm (14 in) long for FM360, 500 mm (20 in) long for FM500, 720 mm (28 in) long for FM720. The maximum head diameter shall be 14 mm (.540 in) without the windscreen, and 30 mm (1.2 in) with the windscreen. The microphone shall be terminated with a professional gold-plated 3 pin XLR connector. The microphone shall include an external windscreen. The microphone shall require 48 V phantom power. The microphone shall be made of metal with black finish. The microphone shall have its entire flexible portion encased in black vinyl. The Earthworks FM360, FM500 or FM720 is specified.

Earthworks Flex Microphones are a dramatic improvement over other gooseneck microphones. Their clean, natural on-axis pickup, and smooth, uncolored off-axis rejection make them superb for a wide range of applications including sound reinforcement, broadcast, and recording of voice and musical instruments. In all of these applications, you will hear the exceptional Earthworks microphone sound quality that has made us famous (i.e. an extremely accurate and open sound that is crystal clear). Flex Mics are user friendly and provide excellent gain before feedback, because there are no severe off-axis peaks or dips in their response.

For podium use, Flex Mics are spectacular! They perform much like our award winning SR69 performance microphone, capturing oration uniformly across a wide area of the pickup pattern. This greatly improves intelligibility, especially with inexperienced orators who can be as much as 90 degrees off-axis. With the Flex Mic, you will still hear them and they will still have the same excellent sound quality as on-axis, just 2 or 3dB softer. All of this makes the Flex Mics ideal for crystal clear communications in such venues as churches, auditoriums, meeting and boardrooms. Once you have experienced the performance of Earthworks Flex Mics, you will never use anything else for podiums and similar applications.

For choir, the Flex Mics wide pickup pattern will not spotlight, and will uniformly pick up sound over a wide area. They can also easily handle high sound pressure levels of soloists and drums. In fact the flex mic also makes an excellent bass drum microphone. For a wide variety of music, including vocals and acoustic instruments, the Flex Mics are user friendly and impressively natural sounding.

The Flex Mics reject distant off-axis low frequencies extremely well, while maintaining directionality within the pick-up pattern where other cardioid microphones become increasingly more Omni in their behavior. As with other Earthworks microphones, you will find that you will need little EQ, because they sound exceptional just as they are.

Earthworks Flex Mics are ideal for a variety of applications. If you have not heard one, then visit your nearest Earthworks dealer and ask them to let you take an Earthworks Flex Mic for a test drive. You will be glad you did.

Specifications

Frequency Response: 50Hz to beyond 20kHz ± 2dB @ 6 inches
Polar Pattern: Hypercardioid
Sensitivity: 10mV/Pa (-40dBV/Pa)
Power Requirements: 48V Phantom, 10mA
Max Acoustic Input: 145dB SPL
Output: XLR-3 (pin 2+)
Min Output Load: 600 ohms between pins 2 & 3
Noise: 22dB SPL equivalent (A weighted)
Dimensions: Base diameter is 22mm (.860") Lengths as above
Weight: 135g (0.3 lb.)

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