



C SERIES DRUM/INSTRUMENT/ SPECIALTY-USE MICROPHONES

CM 55 Clip-on Miniature Condenser Microphone

Congratulations on purchasing the Nady CM 55 Microphone! Able to handle high sound pressure levels without distortion, the C Series microphones are ideal for live or recording close-miking of all types of drums and percussion instruments, and also for accurate sonic reproduction of brass, woodwind and other instruments producing high sound fields. The CM 55 is a miniature clip-on back electret condenser microphone that is also ideal for close-up miking of all acoustic string instruments.

USING YOUR CM 55

The CM 55 can be used with any standard mixer, powered mixer/amplifier, or mic preamp which provides 9-52V phantom power. The optional Nady 48V SMPS-1 Phantom Power Supply can also be used if your mixer doesn't supply phantom power. Using an XLR to XLR balanced cable, connect the female XLR end to the CM 55 and the other end (male XLR) to your equipment.

Using the rubber spring clamp, the CM 55 can be mounted to drum rims, edges of acoustic guitar sound holes or the bells of wind instruments. Adjust the gooseneck to position the mic as desired close to the sound source. Be aware of the proximity effect (an increase in bass response) when the mic is placed close to the instrument. This may or may not be desirable. Experimenting with the position of the mic with respect to the audio source will ensure the optimum results you are seeking in any given application.

If the microphone is placed too near a speaker during live stage use, an unpleasant howling effect (acoustic feedback) may occur. Although all microphones are prone to feedback to some extent, those with a unidirectional polar pattern (such as the CM 55) are specially designed to accept only signals from the audio source directly in front of the mic cartridge. Thus, the hypercardioid pattern of the CM 55 ensures that it will deliver only the desired audio in front of the mic, rejecting the unwanted audio from the rear, even in noisy ambient conditions with high sound pressure levels from the P.A. and monitor speakers. This means that feedback will be greatly minimized with the CM 55 in all live performance miking applications. The hypercardioid pattern of the CM 55 also ensures optimum isolation of the instrument miked from the other instruments in the mix.

Some useful ways in which to totally eliminate annoying feedback include: experimenting with mic positions with respect to the speakers, decreasing speaker volume (whenever possible), and adjusting the equalization of the mic audio with the mixer.

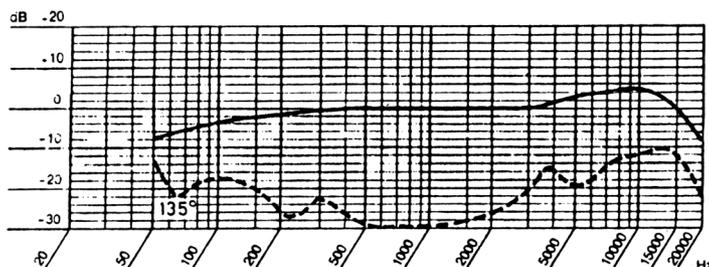
PRECAUTIONS AND CARE FOR YOUR CM 55

- The microphone should never be dropped or subjected to extreme shock. Store only in a padded case to protect it during transport.
- Keep the microphone away from extremely high temperatures (above 140°F or 60°C) and humidity. Avoid leaving the microphone in direct sunlight for long periods of time.
- When using the microphone outdoors, avoid getting it wet.
- After use in a high-moisture application such as a stage performance, wipe off the microphone with a dry cloth and permit it to air dry. Do not store the unit in a closed space (e.g., a plastic bag) until all moisture has evaporated.

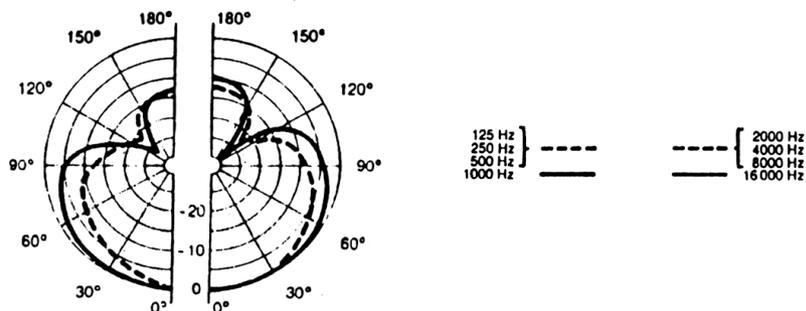
FEATURES

- Miniature clip-on back electret condenser microphone designed for close-up miking of drums, and acoustic string and wind instruments
- Mounts to drum rims, the edge of acoustic guitar sound holes or the bell of wind instruments for accurate sound reproduction and isolation from other instruments
- Tight hypercardioid polar response is highly effective in suppressing feedback and unwanted sounds
- Sturdy rubber-grip spring clamp holds mic securely and prevents marring the finish
- Adjustable gooseneck and swivel joint allows optimum microphone positioning and holds any convenient angle placement for ultimate ease of set-up
- Extended 50Hz - 20KHz response for exceptional performance
- 9-52V phantom powered

FREQUENCY RESPONSE



POLAR DIAGRAM



SPECIFICATIONS

Transducer Type:	Back electret condenser element
Directional Pattern:	Hypercardioid
Frequency Response:	50~20,000 Hz
Sensitivity (@ 1KHz., 0dB=1V/u Bar)):	-70dB +/-3dB
Impedance:	250 Ohms, balanced
Maximum SPL (@3% THD):	>130dB
Power Requirements:	9-52V Phantom
Connector:	3-Pin XLR
Weight:	6.1 oz (170 g.)
Material:	All metal housing

SERVICE

(U.S.) Should your Nady microphone require service, please contact the Nady Service Department via phone at (510) 652-2411 or e-mail at service@nady.com
(INTERNATIONAL) For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product.