

COUNTRYMAN ASSOCIATES INC

ISOMAX 4RF PODIUM MICROPHONE

Supplied with wind screen and carrying tube.

The ISOMAX 4RF's unique Active Vibration Isolation detects and subtracts table thumps, handling noise, and other vibration from the signal, providing full, clean sound without the need for bulky shock mounts. The ISOMAX 4RF also virtually eliminates buzz from cell phones and other radio frequency (RF) sources, resulting in high-quality, interference-free audio for meeting rooms, houses of worship, and other sound reinforcement and broadcast applications. Its tightly-controlled, consistent pickup pattern accurately captures subjects while reducing feedback.

Exceptional Sound Quality

The omnidirectional model has a very even frequency response. The hypercardioid model's response is essentially flat between 70 Hz - 18 kHz, with a slight rise at 3 kHz for additional presence. A 24 dB/octave high-pass filter at 70 Hz cuts wind noise and rumble without affecting voice. Overall sound quality is better than mics costing many times more.

Consistent Patterns

Choose a hypercardioid pattern for more isolation or to accommodate positions farther from the presenter, remaining unobtrusive. The excellent side and rear rejection lets you use higher levels of amplification while avoiding feedback. Cardioid patterns provide a broader front lobe for wider coverage. Omnidirectional versions are also available.

RF Immunity

The ISOMAX 4RF improves on the impressive RF rejection of the ISOMAX 4, making this version practically immune to interference from cell phones and other wireless devices.

Active Vibration Isolation

A separate pickup element senses vibration, handling noise, and physical shock and subtracts these problem sounds from the output. The result is less noise from bending the gooseneck, thumping the podium, or hand-holding the mic during interviews ... and there's no need for an expensive and bulky shock mount.

Versatile

The gooseneck tube can be bent and re-bent many times. Semi-rigid reinforcing sections can be specified in the middle, at either or both ends, or along the entire tube. Special applications are easily accommodated while a variety of popular stock configurations makes ordering easy. The ISOMAX 4RF can be mounted in a standard clamp or plugged into an optional, unobtrusive through-desk mount that both connects and supports the mic. It can be powered by phantom power supply or optional battery pack.

Polar Pattern: Hypercardioid, Cardioid, Omni

Output Impedance:

270 Ohms balanced, transformerless. Will drive any load impedance without distortion at full rated SPL.

Maximum Sound Level: 124 dB SPL at 1% THD

Phantom Power: 9 V to 50 V

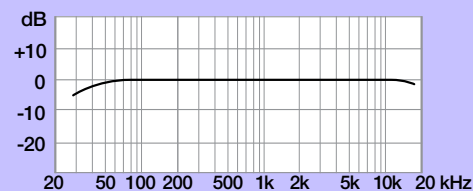
Connector: XLR-3 male

Equivalent Acoustic Noise: 39 dBA SPL

Sensitivity: 5.0 mV/Pascal

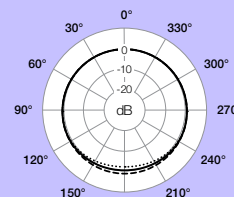
Frequency Response

omni, measured at 6 inches



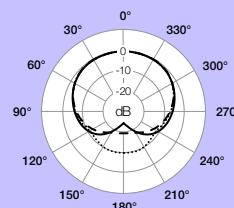
Polar Response

omnidirectional

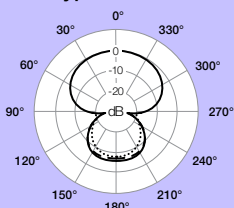


--- 500 Hz
— 1 kHz
... 10 kHz

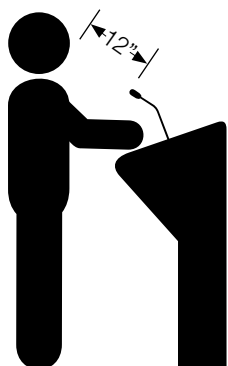
cardioid



hypercardioid



ISOMAX 4RF Podium: Frequently Asked Questions



How should I position the ISOMAX 4RF for best coverage?

The ISOMAX 4RF's extremely accurate hypercardioid pattern works best when the mic element is about a foot in front of the presenter and at chest level, pointing toward the face. This location eliminates pops and other breath noises, doesn't interfere with sight lines, and accommodates both normal conversational levels and presenters who prefer to project to the crowd.

The pickup area is approximately a 90° cone extending from the tip of the microphone, allowing the presenter to move around or share the podium with a second person.

What options are available for the ISOMAX 4RF?

The most popular configuration is black, with an 18" semi-rigid stalk that is flexible at the top and bottom. The ISOMAX 4RF is supplied with a matching windscreen and storage tube.

Length:

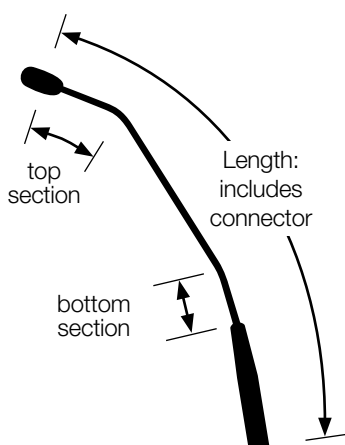
Stock lengths are 12", 18", and 24", including the microphone capsule and connector base.

Rigidity:

The ISOMAX 4RF stalk is available flexible; semi-rigid with a flexible top, bottom, or top and bottom; and completely rigid. The semi-rigid section can be bent without tools. The flexible sections are easily adjusted by the presenter.

Special orders:

The ISOMAX 4RF can be special ordered in cardioid, hypercardioid, or omnidirectional patterns.



How should I mount the ISOMAX 4RF to a desk or podium?

The Countryman A4CDM Desk Mount is specifically designed for the ISOMAX 4RF microphone. It consists of a Neutrik connector module and a metal bushing that can be mounted through a table top or podium surface. It both supports and connects the mic, and provides an attractive, unobtrusive mount with a very small footprint. This kind of mounting is practical only because of the ISOMAX 4RF's Active Vibration Isolation—other podium microphones require bulky shock mounts to avoid table vibration noises.

Mounting the A4CDM requires drilling the table surface and soldering to the connector module, and is recommended for permanent installations only. The mic itself is held in place by the XLR connector's latch and can be easily removed for storage.



1/8" pipe nipple or "lamp pipe" bushing. Can be any length; one inch is normally supplied for table surfaces 3/4" or less in thickness. Drill 7/16" hole.