



M50

MEASUREMENT MICROPHONE

FOR MEASUREMENT AND SOUND SYSTEMS

The M50 is the perfect choice for those who desire the utmost in precision, the widest in frequency response and superb polar response in an expertly manufactured precision measurement microphone. The M50 provides a frequency response from 3Hz to 50kHz, and will handle 140dB SPL. The M50 can be used in a wide variety of environments and will withstand the rigors of the road due to its robust design. The M50 is used in every critical environment from the most elegant of research laboratories to the recording of animal and bird sounds deep in the African jungle. (For those who desire calibration files to interface with their software, these are available at no cost. In addition, any number of microphones can be matched for a nominal fee.)

WARRANTY Earthworks products carry a limited warranty. Visit earthworksaudio.com/warranty for more information.

EARTHWORKS AUDIO

FEATURES

- Meets or Exceeds Type 1 and applicable IEC 61094 requirements
- 50kHz Free-Field Frequency Response
- 140dB SPL Max Acoustic Input
- Omnidirectional Polar Pattern
- Ideal for SMAART™, MLSSA™, Spectrafoo™, TEFT™, RTA and all “Audio Band” Measurements
- Operating Temp Range: -20 deg C to +60 deg C (-4 deg. F to 140 deg. F)
- Storage Temp Range: -40 deg C to +80 deg C (-40 deg. F to 176 deg. F)
- Humidity: Up to 90%

TROUBLESHOOTING

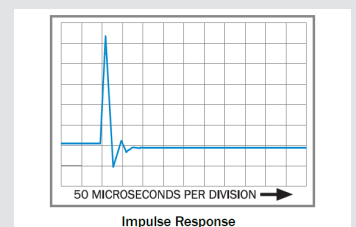
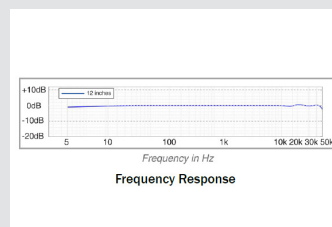
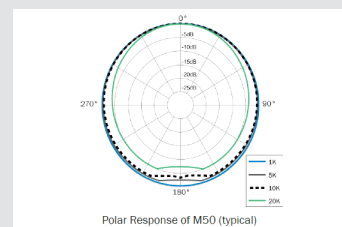
If you encounter issues while using your Earthworks Audio microphone, please make sure that:

- Your microphone is connected to an active power supply.
- Phantom power is being supplied to the microphone.
- Your microphone and XLR cable are well connected.
- The microphone is positioned at an appropriate distance from the sound source.
- External noise in your recording environment is kept to a minimum.
- Your recording space is at room temperature and free of dust.

If your issue persists after checking, please contact us via our website.

SPECIFICATIONS

Frequency Response	3Hz to 50kHz \pm 1/-3dB
Polar Pattern	Omnidirectional
Sensitivity	34mV/Pa
Power Requirements	24-48V Phantom, 10mA
Max Acoustic Input	140dB SPL
Output	XLR-3 (pin 2+)
Min Output Load	600 Ω between pins 2 & 3
Noise	20dB SPL
Temp Operating Range	-4° to 140° F (-20° to +60° C)
Dimensions L x D	9 x .860 in. (229 x 22 mm)
Weight	0.5 lb. (227g)



WE'RE HERE TO HELP

For anything else, we're a phone call or email away. Please feel free to contact us by email at sales@earthworksaudio.com, or by phone at (603)-654-2433.