



## M30

### MEASUREMENT MICROPHONE

#### FOR MEASUREMENT AND SOUND SYSTEMS

The M30 is one of the most respected, accurate and reliable measurement microphones on the market. Consultants and Acousticians throughout the world rely on the M30 in performing their measurements and acoustical analysis. In addition, they have great respect for the near-perfect polar response of this microphone. The M30 provides an impressive frequency response of 3Hz to 30kHz, near-perfect polar response and it will handle 140dB SPL. Finally, it can be used in a wide variety of environments from the most elegant of research laboratories to making measurements in the outdoors and tropics. (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](http://earthworksaudio.com/warranty) for more information.

**EARTHWORKS AUDIO**

## FEATURES

- Meets or Exceeds Type 1 and applicable IEC 61094 requirements
- 30kHz 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

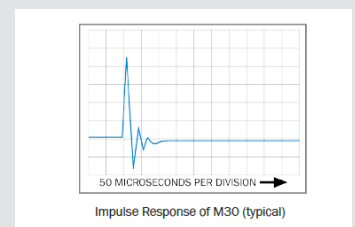
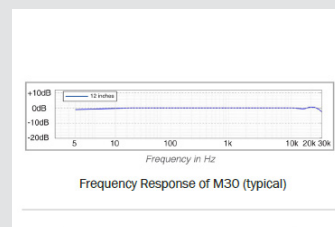
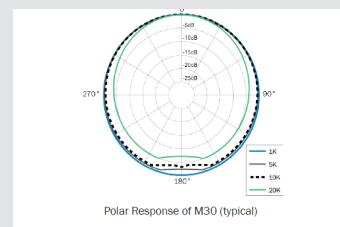
If you encounter issues while using your Earthworks Audio microphone, please make sure that:

- 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

<b>Frequency Response</b>	3Hz to 30kHz $\pm$ 1/-3dB
<b>Polar Pattern</b>	Omnidirectional
<b>Sensitivity</b>	34mV/Pa
<b>Power Requirements</b>	24-48V Phantom, 10mA
<b>Max Acoustic Input</b>	140dB SPL
<b>Output</b>	XLR-3 (pin 2+)
<b>Min Output Load</b>	600 $\Omega$ between pins 2 & 3
<b>Noise</b>	20dB SPL
<b>Temp Operating Range</b>	-4° to 140° F (-20° to +60° C)
<b>Dimensions L x D</b>	9 x .860 in. (229 x 22 mm)
<b>Weight</b>	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](mailto:sales@earthworksaudio.com), or by phone at (603)-654-2433.