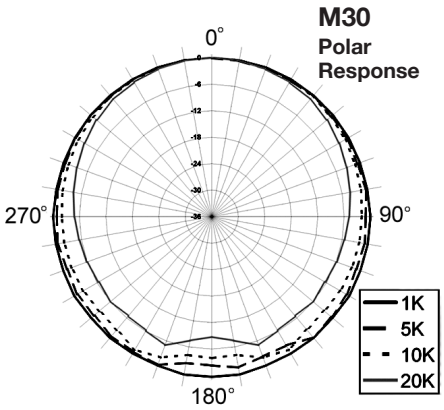
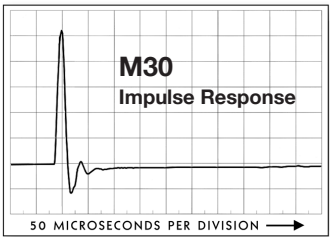
Earthworks® HIGH DEFINITION MICROPHONES™

M30 High Definition Measurement Microphone™

- One of the Industy's Most Popular Measurement Microphones
- 30kHz Free-Field Frequency Response
- Meets or Exceeds Type 1 Specifications
- 142dB SPL Max Acoustic Input
- Used by Research Laboratories and Acousticians Throughout the World
- Ideal for SMAART™, MLSSA™, Spectrafoo™, TEF™, RTA and all "Audio Band" Measurements
- Requires 48V Phantom Power
- Multiple Measurement Microphones can be matched for a nominal fee
- Electronic Calibration Files are Available on-line after completing product registration at no cost





SPECIFICATIONS

Frequency Response:	5Hz to 30kHz ± 1/-3dB
Polar Pattern:	Omnidirectional
Sensitivity:	30mV/Pa (Typical)
Power Requirements:	48V Phantom, 10mA
Max Acoustic Input:	142dB SPL
Output:	XLR-3 (pin 2+)
Min. Output Load:	600 ohms between pins 2 & 3
Noise:	22dB SPL (A weighted)
Temp. Operating Range:	14˚ to 104˚F (-10˚ to +40˚C)
Dimensions L x D:	9 x .860 in. (229 x 22 mm)
Weight:	0.5 lb. (227g)

ELECTRONIC CALIBRATION FILES

Electronic Calibration files are available for all models of Earthworks measurement microphones, so your specific microphone can be calibrated to your measurement software or system. For you to obtain your electronic calibration files (ECF), you must first register your microphone online at earthworksaudio.com/register and afterwards go to earthworksaudio.com/ecf to request your ECF file, which will be sent to you as an email attachment. If you have any questions, please call 603-654-2433, ext 114 or email: sales@earthworksaudio.com

Earthworks M Series measurement microphones have become the accepted standard for reliable measurement and reference. They are accurate in the time and frequency domain and have exceptionally uniform polar response. They feature flat free-field frequency response, fast impulse response, and are remarkably stable with respect to temperature changes, meeting or exceeding Type 1 specifications. Our M Series measurement microphones are used and recommended by SMAART™, MLSSA™, Spectrafoo™, TEF™, RTA in addition to acoustic measurement systems manufactured by dbx, Rational Acoustics, DEQX and others.

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 5Hz to 30kHz, near-perfect polar response and it will handle 142dB SPL. For those looking for an extremely accurate and reliable measurement microphone, the Earthworks M30 is it.

The Earthworks line of measurement microphones (with exception to the M30BX, which is battery operated) require standard 48V phantom power and up to 10mA of current (which is within the industry phantom power standard). 10mA of current is required to supply our high current, bipolar Class A amplifier within the microphone that is made with all discrete components, with no capacitors in the signal path providing excellent phase response. This also allows the microphone(s) to feed long signal lines up to 300 feet (91m) and maintain the full frequency response of the microphone at the other end of the line, without any loss in high frequencies.

The M30 comes in a protective carton with a custom die-cut foam insert and its own individual calibration chart. 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. The M30 requires standard 48V phantom power for operation.

The M30 is robust and can be used in a wide variety of environments from the most elegant of research laboratories to making measurements in the outdoors and tropics. In making acoustic measurements, the M30 will be your most trusted, accurate and reliable measurement instrument.

Earthworks® HIGH DEFINITION MICROPHONES™
Expertly Hand Made in the U.S.A.

Earthworks, Inc. • 37 Wilton Rd. • Milford, NH 03055 • Phone: (603) 654-2433, ext 114 • email: sales@earthworksaudio.com • earthworksaudio.com

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