

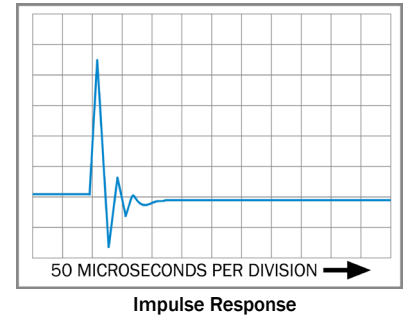
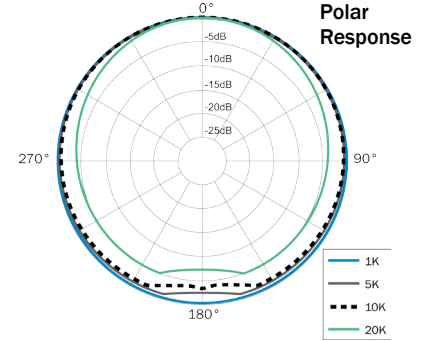
SPECIFICATIONS

Frequency Response: 9Hz to 30kHz \pm 1/-3dB
 Polar Pattern: Omnidirectional
 Sensitivity: 36mV/Pa (Typical)
 Power Requirements: 6V battery, type P28
 (2CR-1/N or equivalent)
 Max Acoustic Input: 140dB SPL
 Output: XLR-3 (pin 2+)
 Min. Output Load: 600 ohms between pins 2 & 3
 Noise: 20dB SPL (A weighted)
 Temp. Operating Range: 14° to 104° F (-10° to +40° C)
 Dimensions L x D: 910 x .865 in. (220 x 23 mm)
 Weight: 0.4 lb. (180g)

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

- **Battery Powered Measurement Microphone**
- **30kHz Free-Field Frequency Response**
- **Meets or Exceeds Type 1 Specifications**
- **140dB SPL Max Acoustic Input**
- **Used by Research Engineers and Acousticians Throughout the World**
- **Ideal for SMAART™, MLSSA™, Spectrafoo™, TEF™, RTA and all “Audio Band” Measurements**
- **Multiple Measurement Microphones can be matched for a nominal fee**
- **Electronic Calibration Files are Available online after completing product registration at no cost**
- **Powers “on” or “off” when the XLR connector is inserted or removed to preserve battery life**



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 M30BX is a highly accurate and reliable battery powered measurement microphone. Consultants and Acousticians throughout the world rely on the M30BX for performing their measurements and acoustical analysis in areas where there is no available AC power. The M30BX provides an impressive frequency response of 9Hz to 30kHz, near-perfect polar response and it will handle up to 140dB SPL. For those looking for an extremely accurate and reliable measurement microphone for field measurement purposes, the Earthworks M30BX is it.

The M30BX comes with an XLR to RCA adapter to facilitate connecting the M30BX to a sound card on your mobile computing device. There is also a small plunger inside the XLR connector that operates an internal battery “on/off” switch that will help preserve battery life. So there is no need for a power “on/off” switch. Just plug in an XLR or the XLR to RCA adapter and the M30BX “powers

on.” Remove the XLR connector or adapter and the M30BX “powers off.”

The Earthworks line of measurement microphones utilizes high current, bipolar Class A amplifier within the microphone, which are made with all discrete components, with no capacitors in the signal path providing the microphone’s 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 loss of high frequencies.

The M30BX 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 M30BX is robust and can be used in a wide variety of outdoor environments from a football stadium to the tropics. When making acoustic measurements in the outdoors, or in areas where there is no AC power available, the M30BX will be your most trusted, accurate and reliable measurement instrument.

