

M1

MEASUREMENT MICROPHONE



BROAD FREQUENCY
RESPONSE



OMNI
DIRECTIVITY



INTERFERENCE
RESISTANT

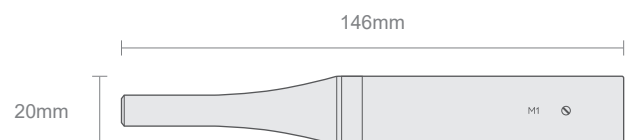


EXTREMELY
LIGHTWEIGHT

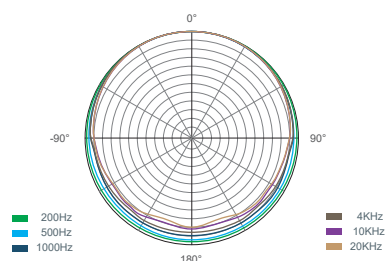
The M1 is a measurement microphone which has been designed specifically for measuring sound reinforcement and PA-system. It is designed to work with spectrum analysers for measuring frequency response and sound pressure levels of loud speaker systems. The M1 is the ideal microphone for the measurement of audio signals in the research, development, for reverberation testings and other applications. The narrow tubular construction ensures that the microphone has negligible influence on the sound field so that an increase in sound pressure is avoided with high frequencies. A natural reproduction is achieved due to the linear frequency response.

Technical parameters :

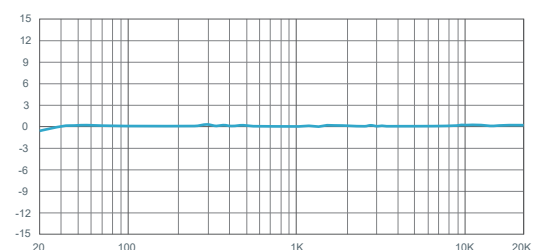
Element	Back Electret Condenser
Polar Pattern	Omni
Frequency Response	20Hz-20KHz (± 1.5 dB)
Sensitivity	-40dB ± 3 dB (1dB=1V/Pa at 1kHz)
Output Impedance	600 $\Omega \pm 20\%$ (at 1kHz)
Max.Input SPL	130dB (T.H.D $\leq 1\%$ at 1kHz)
Equivalent Base Noise	28dBA
Power Requirements	48V (48V DC) 2mA
Output Interface	XLRM
Weight	93g
Dimensions	$\Phi 20 \times 146$ mm



POLAR PATTERN



FREQUENCY RESPONSE



MEASUREMENT SERIES