M2

MEASUREMENT MICROPHONE

BROAD FREQUENCY RESPONSE

OMNI DIRECTIVITY

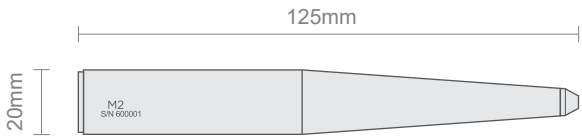
INTERFERENCE RESISTANT

EXTREMELY LIGHTWEIGHT

M2 is a new measurement microphone, it could capture wider frequency response than M1, upper limit could be reaching 30kHz, specially designing for measuring sound reinforcement and PA-systems. And is designed to work with spectrum analysers for measuring frequency response and sound pressure levels of loudspeaker systems.
The M2 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 negligable 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 Condense 4rmm
Electret Specification:	Φ
Polar Pattern:	Omni
Frequency Response:	40Hz-23KHz (±1dB) 40Hz-25KHz (±2dB) 40Hz-30KHz (±3dB) 30Hz-30KHz (±6dB) 20Hz-30KHz (±10dB)
Sensitivity:	-39.5dB±3dB (1dB=1V/Pa at 1kHz)
Output Impedance:	600Ω±20% (at 1kHz)
Max.Input SPL:	132dB±2dB(T.H.D≤1% at 1kHz)
Equivalent Base Noise:	28dBA
Power Requirements:	48V (48V DC) 2mA
Output Interface:	XLRM
Weight:	93g
Dimensions:	Φ 20 x 125mm



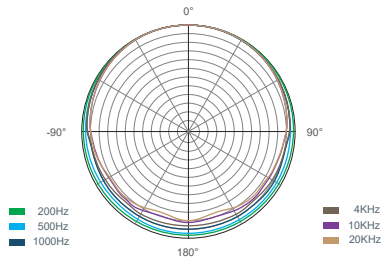
Measurement Environment

Temperature:29°C
Relative Humidity:60%
Pressure:102kPa
Ambient Noise:≤32dBA

Measuring Equipment

Audio Analyzer:Audio Precision APx515
GENELEC® SAM™ 8361A Three Frequency Coaxial Intelligent Monitor Speaker

POLAR PATTERN



FREQUENCY RESPONSE