

Technical Specifications



SINGLE DIAPHRAGM CONDENSER MICROPHONE B-1

Gold-Sputtered Large-Diaphragm Studio Condenser Microphone

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Gold-Sputtered Large-Diaphragm Studio Condenser Microphone

- Professional 1" gold-sputtered large-diaphragm condenser microphone for unsurpassed audio quality
- Ideal as main and support microphone for studio and live applications--perfect for acoustic instruments and overhead etc.
- Cardioid pickup pattern for outstanding sound source separation and feedback rejection
- Pressure-gradient transducer with shock-mounted gold-sputtered large-diaphragm capsule
- Switchable low-frequency roll-off and -10 dB input attenuation
- Ultra low-noise transformerless FET input eliminates low-frequency distortion
- Ultra-rugged construction with nickel-plated brass body
- Gold-plated 3-pin XLR output connector for perfect signal transmission
- Heavy-duty suspension mount, windscreen and aluminum transport case included
- High-quality components and exceptionally rugged construction ensure long life

Specifications

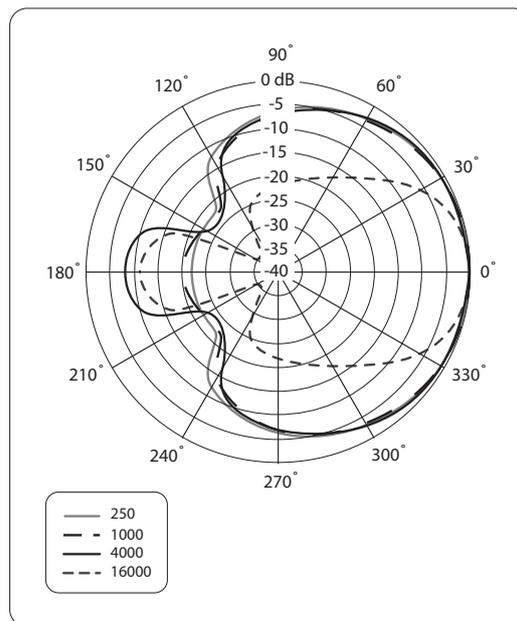
Transducer type	condenser, 1" single diaphragm
Operating principle	pressure gradient
Polar pattern	cardioid
Connection	gold-plated balanced XLR connector
Open circuit voltage at 1 kHz	-34 +/-2 dBV (0 dBV = 1 V/Pa)
Open circuit sensitivity	20 mV/Pa
Frequency range	20 Hz - 20 kHz
Level attenuation	-10 dB (switchable)
Low-Cut filter	6 dB/Octave at 75 Hz (switchable)
Max. SPL (1% THD @ 1 kHz)	138 dB (0 dB), 148 dB (-10 dB)
Equivalent SPL (IEC 268-4)	13 dB-A
Signal-to-noise ratio re 1 Pa	81 dB A-weighted
Nominal impedance	50 Ω
Load impedance	> 1 k Ω

Mains Voltage/Fuse

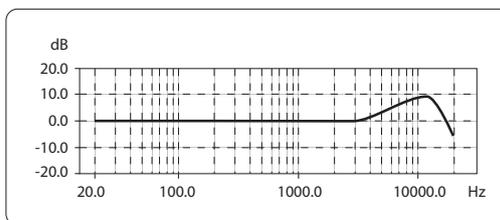
Supply voltage	+48 V
Supply current	3 mA

Physical/Weight

Dimensions	\varnothing : 58 mm, length: 174 mm
Weight	0.45 kg



Polar pattern



Frequency response

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