

## Technical Specifications



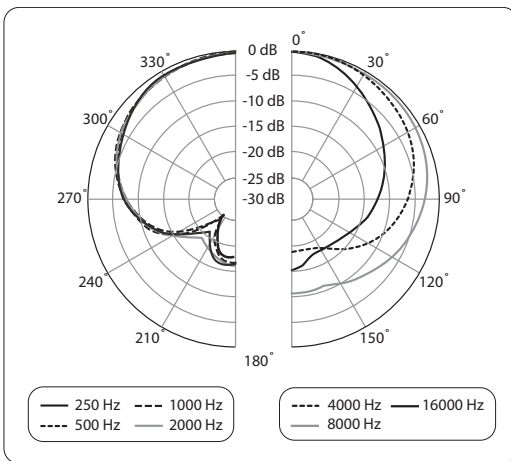
# SINGLE DIAPHRAGM CONDENSER MICROPHONE B-5

Gold-Sputtered Diaphragm Studio Condenser Microphone  
with 2 Interchangeable Capsules

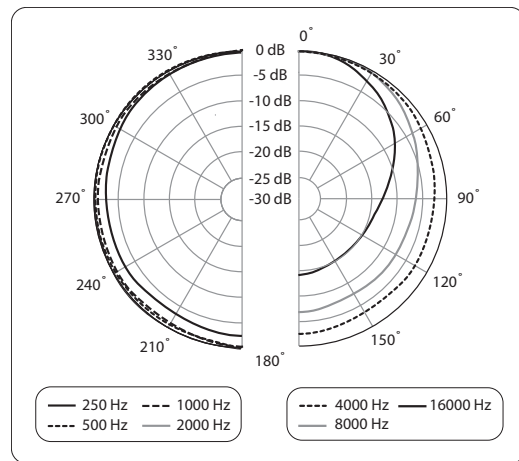
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## Gold-Sputtered Diaphragm Studio Condenser Microphone with 2 Interchangeable Capsules

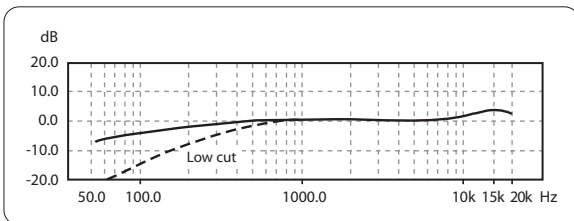
- Professional gold-sputtered diaphragm condenser microphone for unsurpassed audio quality
- Ideal as main and support microphone for studio and live applications—perfect for acoustic instruments and overhead etc.
- 2 interchangeable capsules with cardioid and omnidirectional pickup patterns
- Pressure-gradient transducer with shock-mounted gold-sputtered diaphragm capsule
- Switchable low-frequency roll-off and input attenuation
- Ultra low-noise transformerless FET input eliminates low-frequency distortion
- Gold-plated 3-pin XLR output connector for highest signal integrity
- Rugged construction with satin nickel-plated brass body
- Stand adapter, windscreen and transport case included
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany



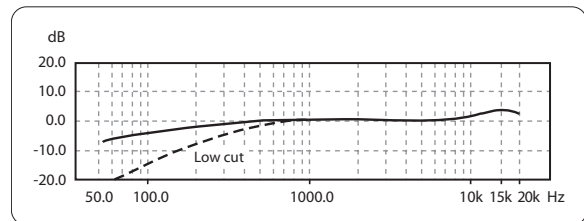
Polar pattern (cardioid)



Polar pattern (omnidirectional)



Frequency response (cardioid)



Frequency response (omnidirectional)

## Specifications

Transducer type	true condenser, 18 mm (0.71") single diaphragm
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### Operating Principle

Cardioid	pressure gradient
Omnidirectional	pressure operated
Polar pattern	1 x cardioid 1 x omnidirectional, exchangeable
Connection	gold-plated balanced XLR connector

### Open Circuit Sensitivity (at 1 kHz)

Cardioid	-38 dBV (0 dBV = 1 V/Pa), 12.6 mV/Pa
Omnidirectional	-40 dBV (0 dBV = 1 V/Pa), 10 mV/Pa
Frequency response	20 Hz - 20 kHz
Level attenuation	-10 dB (switchable)
Low-cut filter	6 dB/oct. at 150 Hz (switchable)
Max. SPL (1% THD @ 1 kHz)	140 dB (0 dB), 150 dB (-10 dB)
Equivalent SPL (IEC 651)	16 dB-A (cardioid), 18 dB-A (omnidir.)

### Signal-to-Noise Ratio

Cardioid	78 dB A-weighted
Omnidirectional	76 dB A-weighted
Nominal impedance	70 $\Omega$
Load impedance	>1 k $\Omega$

### Mains Voltage/Fuse

Supply voltage	+48 V
Supply current	3 mA
Physical/Weight	
Dimensions	$\emptyset$ shaft: 20 mm / Length: 120 mm
Weight	approx. 0.21 lbs / 0.09 kg