

# STUDIO CONDENSER MICROPHONE B-5



## Technical Specifications

Version 1.0 July 2003


ENGLISH

Transducer type:	true condenser, 18 mm (0.71") single diaphragm
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 $\Omega$
Supply voltage:	+48 V
Supply current:	3 mA
Dimensions:	$\varnothing$ shaft: 20 mm, length: 120 mm
Weight:	approx. 0.09 kg (0.21 lbs.)

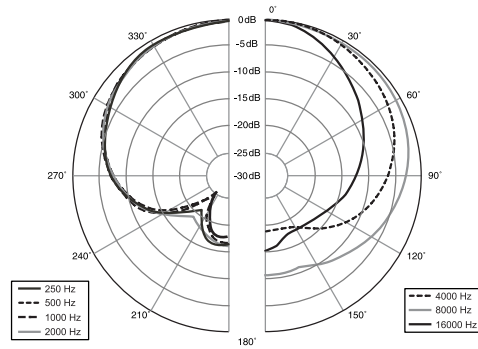
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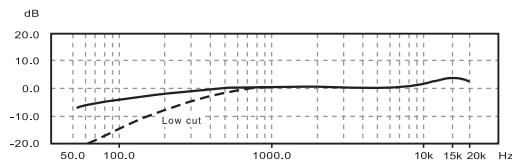
## Gold-Sputtered Diaphragm Condenser Microphone

- ▲ Professional true condenser microphone for studio and live applications
  - ▲ 2 interchangeable capsules with cardioid and omnidirectional pickup patterns
  - ▲ Low-mass gold-sputtered diaphragm for ultimate sound reproduction
  - ▲ Perfect for acoustic instruments, voice and overhead etc.
  - ▲ Ultra low-noise transformerless FET input eliminates low-frequency distortion
  - ▲ Smooth, super-wide frequency response and incredible musicality
  - ▲ Switchable low-frequency roll-off and -10 dB input attenuation
  - ▲ Gold-plated 3-pin XLR output connector
  - ▲ Rugged construction with satin nickel-plated brass body
  - ▲ Custom microphone stand adapter, windscreen and transport case included
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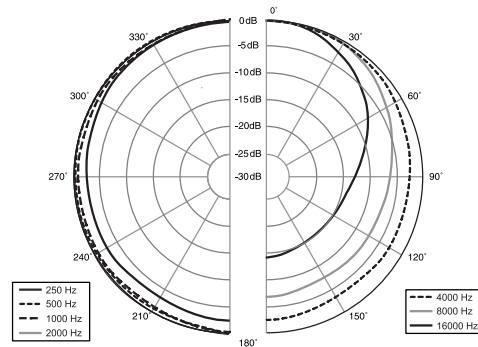
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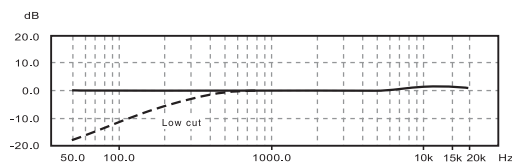
*Polar pattern (cardioid)*



*Frequency response (cardioid)*



*Polar pattern (omnidirectional)*



*Frequency response (omnidirectional)*

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