



H A Harman International Company

# C3000B

## Condenser Microphone

### Description

Despite its physical resemblance to its predecessor Model C3000, the C3000B is an entirely new microphone. It has a “true” large diaphragm, with an active gold-sputtered mylar foil diameter of 1” (25mm). This size helps shape response with the warmth and transparency that are typical of other high-quality AKG models. Its design provides a very low self noise floor of 14-dB-A, along with a maximum level capability of 140 dB, producing an overall operating range in the studio of 126 dB. Through the 10-dB pre-attenuation switch the operating range of the microphone may be shifted up to 150 dB for close-in pickup of very loud sound sources. A bass cut switch provides a gentle 6-dB per octave rolloff below 500 Hz, compensating for proximity effect in vocal recording. The capsule assembly is internally shock mounted for low handling noise, and an internal foam sheath minimizes breath noises and pops with minimal attenuation of high frequencies.

Tailored for the modern studio, the C3000B has the typical AKG large diaphragm “signature contour,” a slight dip at 2.5 kHz followed by a rise at 5 - 6 kHz and 9 - 11 kHz. Its cardioid pickup pattern is extremely well controlled, providing excellent off-axis rejection across the entire frequency band.

The H100 elastic suspension mounting is an included accessory with the C3000B. Optional accessories include the B18 battery power supply, the PF100 pop filter, and the W414 wind screen. The microphone is transformerless and accepts phantom powering over the range from 9 volts to 52 volts dc. The C3000B is equally at home on-stage as it is in the studio.

### Specifications

<b>Transducer type:</b>	1 in. (25 mm) large diaphragm pressure gradient
<b>Diaphragm material:</b>	Gold-sputtered mylar foil
<b>Frequency response</b>	20 Hz to 20 kHz, (see frequency response curve)
<b>Sensitivity at 1 kHz:</b>	25 mV/Pa (-32 dBV)
<b>Polar pattern:</b>	Cardioid
<b>Pre-attenuation:</b>	10 dB
<b>Impedance:</b>	200 ohms
<b>Recommended loading:</b>	>1000 ohms
<b>Equivalent noise level (A-weighted):</b>	14 dB
<b>Sound pressure level for 0.5% THD:</b>	140 dB (150 dB with 10 dB pre-attenuation)
<b>Dynamic range:</b>	140 dB
<b>S/N ratio (A-weighted):</b>	80 dB-A
<b>Power requirement:</b>	Phantom powering, 9 to 52 Vdc
<b>Environmental:</b>	Temperature: 14° F to 140° F (-10° C to 60° C)
<b>Output connector:</b>	3-pin XLR-M
<b>Size:</b>	2.217 in. diameter (57 mm); 6.29 in. length (160 mm)
<b>Net/shipping weight:</b>	11.3 oz. (320 g)
<b>Included accessories:</b>	H100 elastic mounting suspension
<b>Optional accessories:</b>	B18 battery power supply PF100 pop filter W414 wind screen

### Features

- Large diaphragm format optimized for studio applications
- Extremely wide dynamic range of 140 dB
- Transformerless output for ultra low LF distortion
- Response shaped for studio applications
- Pre-attenuation (-10 dB) and LF rolloff switching provided

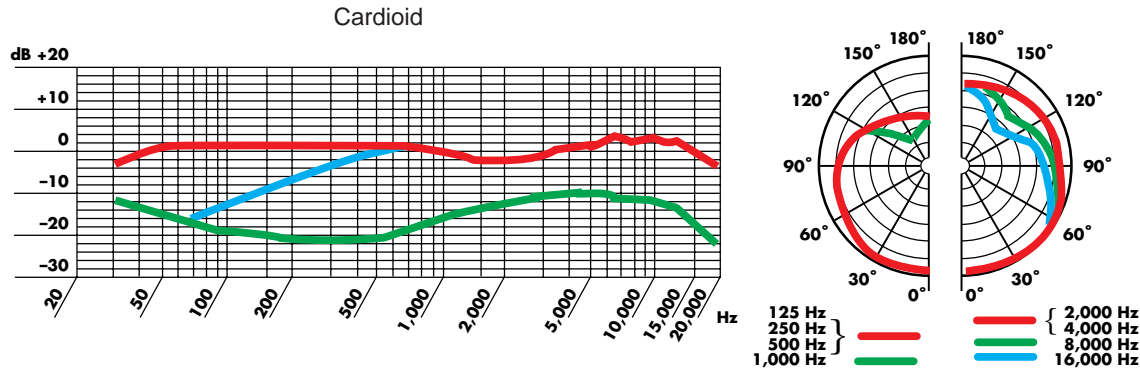


# Architects and Engineers Specifications

The microphone shall be a 1-inch diameter condenser model with a single dedicated cardioid pickup pattern. The microphone's sensitivity shall be no less than 25 mV/Pa. The microphone's equivalent noise level shall be no greater than 14-dB-A, and at an operating level of 140 dB the microphone's total harmonic distortion shall be no greater than 0.5%. The microphone shall include a pre-attenuation switch of 10-dB and a bass rolloff switch

of 6 dB per octave commencing at 500 Hz. The microphone shall operate with phantom power over the range from 9 Vdc to 52 Vdc. The microphone shall have a diameter no greater than 2.24 inches and a length no greater than 6.299 inches. A spider suspension isolation shock mount (H100) shall be included as a standard accessory. The microphone shall be the AKG Acoustics Model C3000B.

## Graphical Data



AKG is constantly improving and modifying its products, therefore, specifications are subject to change without notice.

### Limited Warranty

Valid only in the United States. AKG Acoustics warrants AKG products against defects in material or workmanship for a period of one year from the date of original purchase for use, and agrees to repair or, at our option, replace any defective unit without charge for either parts or labor. Important: This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the affixing of any attachment not provided with the product, loss of parts or connecting the product to any but the specified receptacles. This warranty is void unless service or repairs are performed by an authorized service center. No responsibility is assumed for any special, incidental

or consequential damages. However, the limitation of any right or remedy shall not be effective where such is prohibited or restricted by law. Simply take or ship your AKG product prepaid to our service department. Be sure to include your sales slip as proof of purchase date. (We will not repair transit damage under the no-charge terms of this warranty.) Note: No other warranty, written or oral is authorized by AKG Acoustics, Inc. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusions and limitation may not apply to you..

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