



H A Harman International Company

C 747

Condenser Microphone

Description

The AKG Model C 747 gradient condenser microphone uses a short section interference tube to enhance its directional characteristics, making it an excellent choice for unobtrusive speech applications when mounted on a podium or lectern, or for teleconferencing activities. The microphone is about the size of a ballpoint pen and mini-gooseneck extension to facilitate adjustment and height for each speaker. The finish is dark matte. Frequency response extends from 30 Hz to 18 kHz, and polar response is very uniform. The microphone can handle sound pressure levels of 133 dB with only 1% THD and operates with phantom powering over the standard ranges from 12 to 48 volts.

Specifications

Transducer Principle:	Pre-polarized condenser
Frequency Range:	30–18,000 Hz
Polar Pattern:	Hypercardioid
Sensitivity at 1,000 Hz:	8.5 mV/ Pa $\hat{=}$ -42 dBV
Equivalent Noise Level:	21 dB-A
Sound Pressure Level for 1 % THD:	133 dB
S/N Ratio (A-weighted)	73 dB
Electr. Impedance:	\leq 400 ohms
Load Impedance:	$>$ 2,000 ohms
Power Requirement:	12-48 volts Phantom powering
Connector:	3-pin XLR type
Cable Length:	3 m (10 ft.)
Finish:	non reflective black
Size:	dia 9 mm (0.4 in.), length 135 mm (5.3 in.)
Net/Shipping Weight:	34 g (1.2 oz.)/772 g (1.7 lbs.)
Included Accessories:	H 47 shock mount/adaptor W 70 windscreen, MSH 70 short gooseneck, SA 47 swivel stand adaptor, SA 80 clamp, SHZ 80 screw link
Optional Accessories:	ST 45, ST 46 table stands, MSH 80 long gooseneck; B 18 battery supply N 62 E, N 66 E AC power supplies

Features

- Slim profile for unobtrusive podium mounting
- Extended low and high frequency response
- Hypercardioid pattern for excellent off-axis rejection
- High sensitivity (8.5 mV/Pa)
- High acoustic level capability (133 dB-SPL for 1.0 % THD)



Architect's and Engineer's Specifications

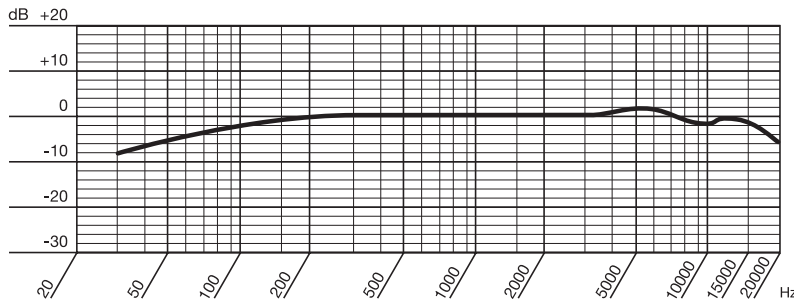
The microphone shall be a directional condenser type utilizing a combination of gradient and interference actions to produce a well defined hypercardioid polar pattern. The microphone shall be no larger in diameter than 9 mm (0.4 in.), and the finish shall be matte black. On-axis frequency response shall be maintained within the range of 30 Hz to 18 kHz, as-measured at 1 meter. Microphone

sensitivity shall be at least 8.5 mV/Pa, and the self A-weighted noise level of the microphone shall be no higher than 21 dB. The microphone shall operate in a sound field of 133 dB-SPL with no greater than 1% THD.

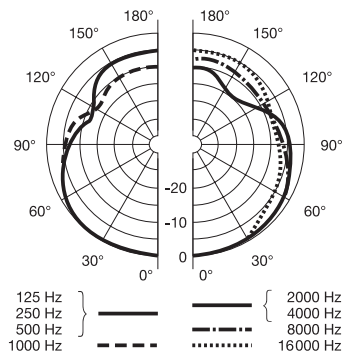
The microphone shall operate on phantom powering, covering the nominal standard limits of 12 to 48 volts. The microphone shall be the AKG model C 747.

Graphical Data

On-axis Frequency Response
(measured at 1 meter)



Polar Response



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 you 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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