



H A Harman International Company

CK 77-3

Condenser Lavalier Microphone

Description

The AKG Model CK 77-3 is an extremely smooth omnidirectional microphone intended to be worn by artists who demand highest audio quality and complete freedom of movement on stage. It is suitable as well for vocal and instrumental pickup. Frequency response extends from 20 Hz to 20 kHz, providing the operating engineer with an absolutely neutral sound that can be equalized as needed. The microphone can handle sound pressure levels of 118 dB-SPL with only 1 % THD and operates with powering over a range from 1.5 to 12 volts making it suitable for use with a wireless microphone transmitter.

The microphone employs a twin diaphragm design for greater sensitivity and low noise operation. The CK 77-3 is shipped with a lapel clamp, a tie pin, and 11 colored wind screens to facilitate personal application under a wide variety of conditions. The finish is available in black or beige.

Specifications

Transducer Principle:	Pre-polarized condenser
Frequency Range:	20–20,000 Hz
Polar Pattern:	Omnidirectional
Sensitivity at 1,000 Hz:	46 mV/Pa $\hat{=}$ -26 dBV, variations with lower sensitivity available
Equivalent Noise Level:	26 dB-A
Sound Pressure Level for 1 % THD:	118 dB
S/N Ratio (A-weighted)	68 dB
Electr. Impedance:	\leq 3,500 ohms
Load Impedance:	$>$ 10,000 ohms
Power Requirement:	1.5–12 Vdc through series resistor
Connector:	B-lock or stripped and tinned leads
Cable Length:	1.5 m (5 ft.)
Finish:	black or beige
Size:	dia 5.5 mm (0.2 in.), length 14 mm (0.6 in.)
Net/Shipping Weight:	0.4 g (0.014 oz.)/200 g (7 oz.)
Included Accessories:	H 40/1 tie clip H 41 tie pin assorted colored wind screens
Optional Accessories:	MPA II Phantom power adapter

Features

- Slim profile and finish for unobtrusive wearing
- Extended low and high frequency response
- Omnidirectional pattern for natural sound quality
- Very high sensitivity (46mV/Pa)
- High acoustic level capability (118 dB-SPL for 1.0 % THD)



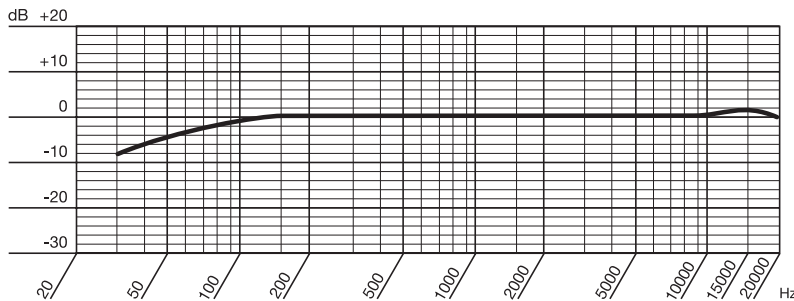
Architect's and Engineer's Specifications

The microphone shall be an omnidirectional condenser type, no larger in diameter than 5.5 mm (0.2 in.) diameter and 14 mm (0.6 in.) length. The finish shall be black of flesh tone. On-axis frequency response shall be maintained within the range of 20 Hz to 20 kHz, as measured at 1 meter. Microphone sensitivity shall be at least 8 or

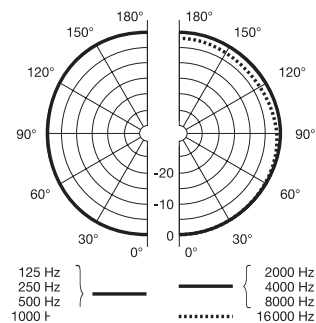
46 mV/Pa. The microphone shall operate in a sound field of 118 dB-SPL with no greater than 1 % THD. The microphone shall operate on DC voltage, covering the nominal range of 1.5 to 12 Vdc. The microphone shall have provision for label and tie mounting, and a windscreen. The microphone shall be the AKG model CK 77-3 (CK 77-3 L).

Graphical Data

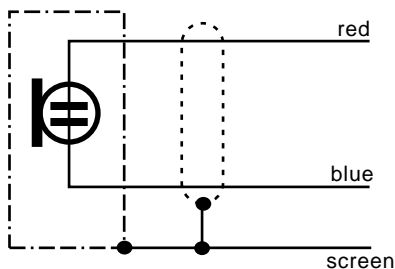
On-axis Frequency Response (measured at 1 meter)



Polar Response



CK 77-3



U_B [V]	R_S [k Ω]
1.5	1.5
3	3.0
6	5.6
9	8.2
12	10.5

Available Models: CK 77 WL/300 8mV sensitivity for use with PT 300
 CK 77 WL/900 8mV sensitivity for use with PT 900
 CK 77 WL-P/900 beige mic for use with PT 900

CK 77-3 stripped leads, 46 mV sensitivity
 CK 77-3L stripped leads, 8 mV sensitivity
 CK 77P-3 beige stripped leads, 46 mV sensitivity
 CK 77P-3L beige stripped leads, 8 mV sensitivity

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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