



H A Harman International Company

# D 550

## Dynamic Instrument Microphone

### Description

The AKG Model D 550 is a rugged dynamic cardioid microphone intended for all on-stage bass instrument pickup, including bass drum, tuba, trombone, and bass guitar amps. Its cardioid pattern is uniform with frequency, and response has been boosted at both low and high frequencies for effective bass instrumental pickup under typical stage conditions. The strong housing and shock absorbing outer grille provide protection for the transducer. A layer of inert textile provides a very effective guard against wind and pop noise. The microphone incorporates two important AKG developments: In the "Teifzieh" Varimotion System™ the diaphragm thickness varies from 20 microns at the edge to 40 microns at the center. In addition, the Doubleflex™ mounting system used with the capsule assembly places the primary resonance of the moving system to well below the audible range, resulting in excellent isolation of handling and cable induced noises. The microphone has an integral stand adapter, and the light-weight body has a dark matte finish for minimum reflection and glare.

### Specifications

<b>Transducer type:</b>	Dynamic pressure gradient
<b>Frequency response:</b>	20 Hz - 20 kHz
<b>Polar pattern:</b>	Cardioid
<b>Sensitivity: 2.5 mV/Pa:</b>	-52 dB (re 1 V/Pa)
<b>Equivalent noise level (with typical electronics):</b>	18 dB (A)
<b>S/N ratio:</b>	76 dB (A)
<b>Sound pressure level for 1% (3%) THD:</b>	147 dB SPL (156)
<b>Impedance:</b>	<600 ohms
<b>Recommended load impedance:</b>	>2000 ohms
<b>Output connector:</b>	XLR-M
<b>Finish:</b>	Matte black enamel
<b>Size:</b>	Maximum diameter: 1.81 in. (46mm) 4.76 in. length (121 mm) 4.0 in. height (104 mm)
<b>Net weight:</b>	7.2 oz. (203 g)
<b>Shipping weight:</b>	1.2 lb. (563 g)
<b>Accessories included:</b>	Table stand extensions
<b>Optional accessories:</b>	ST45, ST305, W880



### Features

- Response tailored for bass instrumental on-stage performance
- Frequency independent cardioid pattern for added immunity to feedback
- Very low susceptibility to pop and wind noise
- High sensitivity (2.5 mV/Pa) resulting from use of high-energy neodymium-iron-boron magnet
- Integral stand adapter

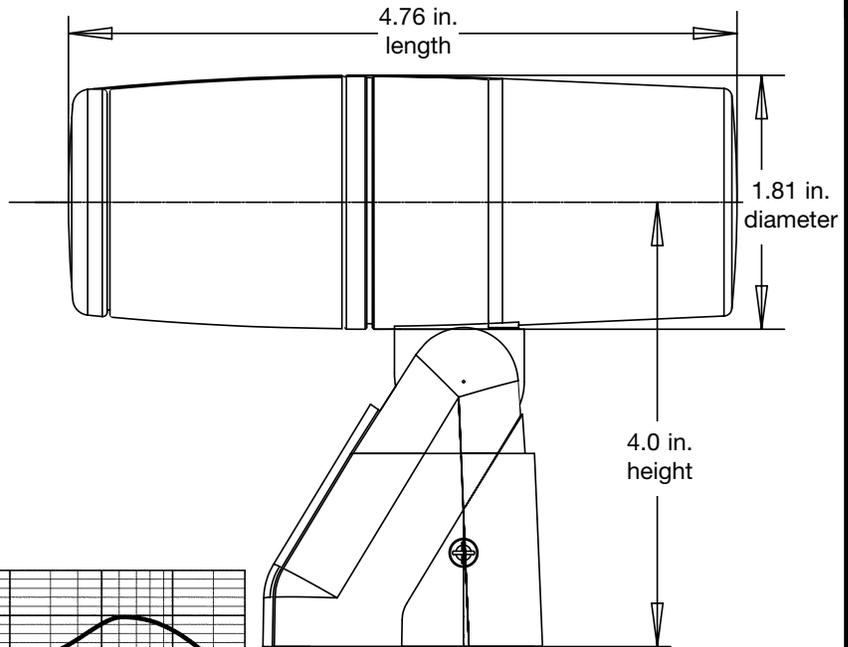
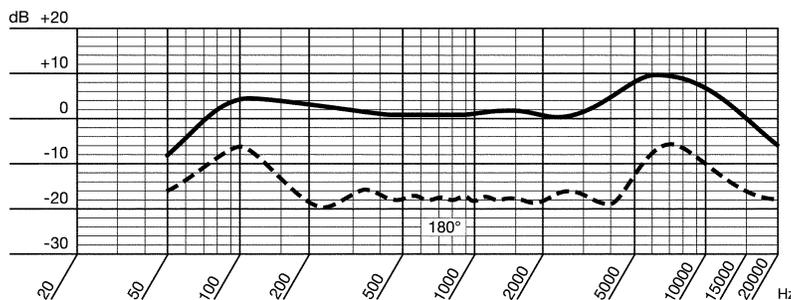
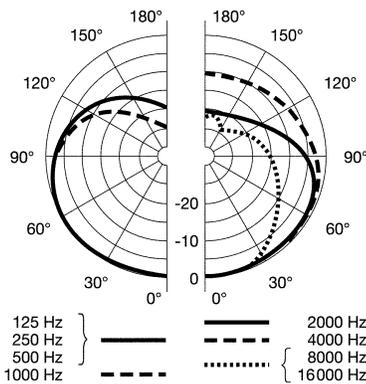
# Architects and Engineers Specifications

The microphone shall be a dynamic type with a cardioid pickup pattern. Sensitivity shall be no less than 2.5 mV/Pa, and the maximum operating level for 3% THD shall be no less than 156 dB SPL. The microphone's response shall be tailored primarily for pickup of bass instruments and have an internal low frequency rise of +4 dB @ 100 Hz. The maximum diameter of the microphone

shall be no greater than 1.81 in. (46 mm), and the microphone length shall be no greater than 3.35 in. (85 mm). Microphone net weight shall be no greater than 5.3 oz. (148 grams). The microphone shall have an integral stand adapter permitting direct attachment to either 3/8" or 5/8" stand threads. The microphone shall be the AKG Acoustics Model D 550.

## Graphical Data

### Cardioid



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 two years 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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**AKG Acoustics GmbH**  
Lemböckgasse 21-25, P.O.B. 158, A-1230  
Vienna/AUSTRIA  
Tel: (43 1) 86 654-0\*, Fax: (43 1) 86 654-516  
Internet: <http://www.ake.com>

**AKG Acoustics**; A Division of Harman Pro Germany  
Bodenseestraße 228, D-81243 München/GERMANY  
Tel: (089) 87 16-0, Fax: (089) 87 16-200

**Arbiter Pro Audio**  
Wilberforce Road, London NW9 6AX/ENGLAND  
Tel: (0181) 202 1199, Fax: (0181) 202 7076

**AKG ACOUSTICS, U.S.**  
914 Airpark Center Drive  
Nashville, TN 37217, U.S.A.  
Tel: (615) 620-3800, Fax: (615) 620-3875

**Studer Japan Ltd.**  
2-43-7, Uehara, Shibuya-ku, Tokyo 151-0064/JAPAN  
Tel: (813) 3465-2211, Fax: (813) 3465-2214

**Erikson Pro Audio**  
620 McCaffrey, St-Laurent, Quebec, H4T 1N1, CANADA  
Tel: (514) 738-3000, Fax: (514) 737-5069  
Internet: [www.jam-ind.com/eriksonpro](http://www.jam-ind.com/eriksonpro)