



H A Harman International Company

# C 5900

## Tripower Condenser Microphone

### Description

The AKG Model C 5900 is a rugged condenser hypercardioid microphone intended for on-stage instrumental and vocal pickup. Its hypercardioid pattern is uniform with frequency, and response has been boosted slightly at mid and high frequencies for crisp instrumental pickup and improved speech intelligibility. Switchable 6 dB/octave bass roll-off and 12 dB/octave bass cut provide flexibility in dealing with proximity effect. The microphone capsule is shock mounted with an easily removable wire mesh grille. The smooth triangular shape of the microphone is easier to hold than normal circular cross-section designs and is stable when the microphone is placed on a surface. The light-weight body is die cast zinc alloy and has a dark matte finish for minimum reflection and glare.

### Specifications

|  |  |
|--|--|
| <b>Transducer type:</b>                      | Prepolarized backplate condenser                               |
| <b>Frequency response:</b>                   | 20 - 22 kHz  |
| <b>Polar pattern:</b>                        | Hypercardioid  |
| <b>Power requirements:</b>                   | 9 - 52 Vdc   |
| <b>Impedance:</b>                            | 200 ohms   |
| <b>Recommended load impedance:</b>           | >2000 ohms   |
| <b>Output connector:</b>                     | XLR-M  |
| <b>Sensitivity:</b>                          | 6 mV/Pa; -45 dB (re 1 V/Pa)                                    |
| <b>Switchable bass roll-off:</b>             | 6 dB/octave  |
| <b>Switchable bass cut:</b>                  | 12 dB/octave   |
| <b>Sound pressure level for 1% (3%) THD:</b> | 140 dB SPL (149 dB SPL)  |
| <b>Environmental operation:</b>              |  |
| <b>Temperature:</b>                          | -10°C to +65°C   |
| <b>Maximum relative humidity at +20°C:</b>   | 90%  |
| <b>Size:</b>                                 | Maximum diameter: 2.1 in. (53 mm)<br>7.4 in. length (187.5 mm) |
| <b>Net weight:</b>                           | 9.8 oz. (276 g)  |
| <b>Shipping weight:</b>                      | 23.9 oz. (676 g)   |
| <b>Accessories included:</b>                 | SA 41/1 stand adapter  |
| <b>Optional accessories:</b>                 | W 23 foam windscreen   |



### Features

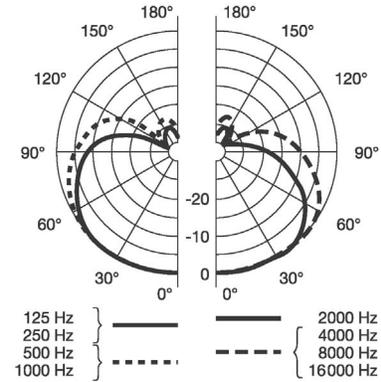
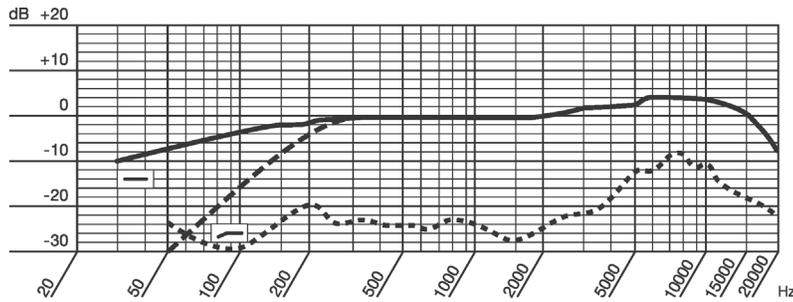
- **Broad high frequency rise (4 dB) for added presence**
- **Hypercardioid pattern for added immunity to feedback**
- **Switchable low frequency cut and roll-off**
- **Internal elastic suspension for reduced handling noise**
- **Light-weight die cast metal body with dark matte finish**
- **Replaceable grille assembly**
- **Universal phantom powering**

# Architects and Engineers Specifications

The microphone shall be a backplate condenser type with a hypercardioid pickup pattern. Sensitivity shall be no less than 6 mV/Pa, and the maximum operating level for 3% THD shall be no less than 149 dB SPL. The maximum diameter of the microphone shall be no greater than 2.1 in., and the microphone length shall be no greater than 7.4 in. Microphone net weight shall

be no greater than 9.8 oz. The microphone shall operate on phantom powering over the range from 9 to 52 Vdc. The microphone shall include the following low frequency options: switchable bass roll-off of 6 dB/octave and switchable bass cut of 12 dB/octave. The microphone shall be the AKG Acoustics Model C 5900.

## 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 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.

Microphones · Headphones · Wireless Microphones · Wireless Headphones · Headsets · Electroacoustical Components



H A Harman International Company

**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)