

AKG C-412 and C-414 condenser microphone systems



C-412



C-414

DESCRIPTION

The AKG C-412 and C-414 are professional studio condenser microphones designed to meet the highest requirements in any recording application.

Both microphones incorporate a 1" twin-diaphragm condenser microphone capsule which permits selection of polar patterns by means of a switch located on the microphone body.

The C-412 has three selectable patterns:

- 1) Omni-directional
- 2) Cardioid
- 3) Figure-eight

The C-414 permits selection of four directional patterns:

- 1) Omni-directional
- 2) Cardioid
- 3) Hyper-cardioid
- 4) Figure-eight

Both microphone preamplifiers are also equipped with an output attenuation switch (C-412:-20dB; C-414:-14dB).

In addition to the F.E.T. preamplifier the units also incorporate a d.c. converter which provides the polarizing voltage for the twin - diaphragm capsules.

The microphone preamplifier may be powered via a phantom circuit directly off the input equipment's (console, tape recorder, etc.) amplifier B + supply (See page 7 for complete details on powering techniques). Separate power supplies, such as the AKG N-46E or N-6E a.c. power supplies and the B-46E d.c. battery power supply, are also available.

The powering technique of the C-412, C-414 is identical to that of the C-451E.

The C-412, C-414 are being delivered with MK-17/20 anti-shock stand adapter with 66' of cable and XLR-type connector.

technical data

SPECIFICATIONS

Frequency range

: See published curve

Frequency response

: See published curve

Sensitivity

: -42 dB (re 1 mw/10 dyne/cm²)
0.6 mv/ μ bar

Impedance

: 200 ohm \pm 15%

Min. recommended load

Impedance

: 500 ohm

Equivalent noise level

: 21 dB (Din 45405 RMS)

Max. SPL

: 121 dB SPL ... 220 μ bar
0.5% distortion at 1000 Hz

Directional characteristics

: C-412 = Omni, cardioid, figure-eight
C-414 = Omni, cardioid, hyper-cardioid,
figure-eight

Output Attenuator

: C-412 = -20 dB

C-414 = -14 dB

Capsule capacity

: 2 x 100 pF

Supply voltage

: 7.5 to 60 V

Current consumption

: <5.5 mA

Temperature range

: -5° to +160° F

Humidity

: .85^o/a/ +80° F

Weight 3 lbs. 14 oz. complete

ACCESSORIES

N-46E

: a.c. power supply for
two microphones

N-6E

: a.c. power supply for
six microphones

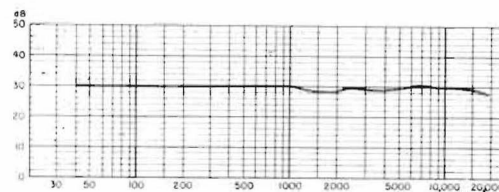
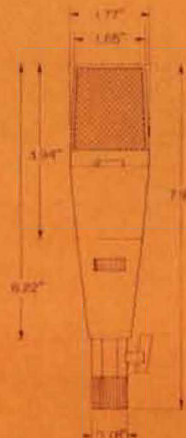
B-46E

: d.c. battery power supply
for one microphone

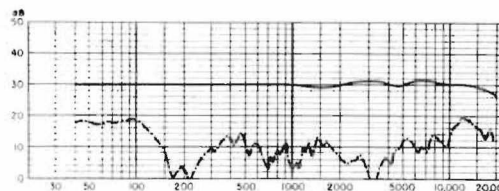
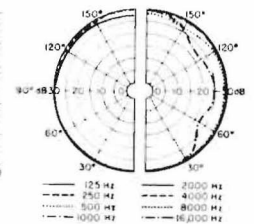
W-11

: Windscreen

Table and floor stands



Omni-directional



Cardioid

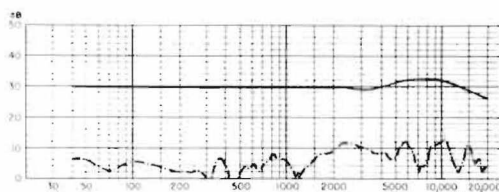
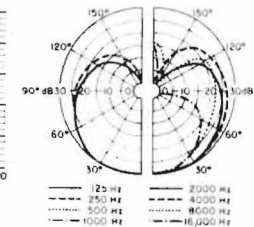
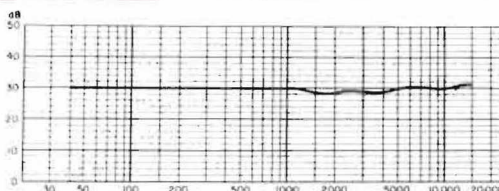
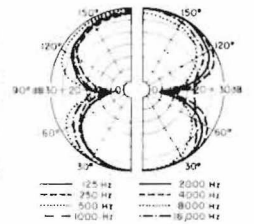
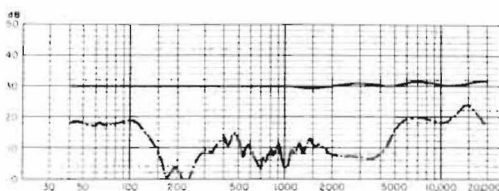
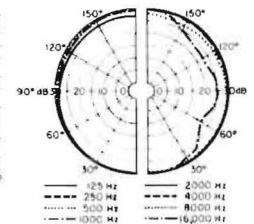


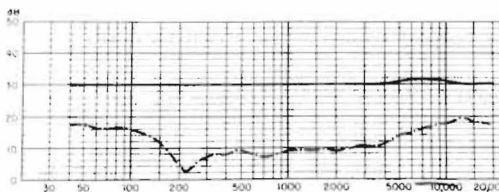
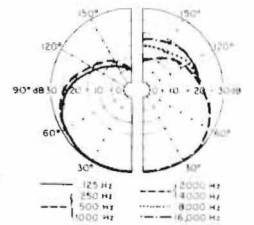
Figure-eight



Omni-directional



Cardioid



Hyper-cardioid

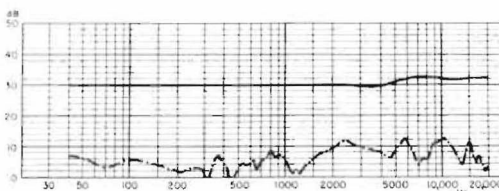
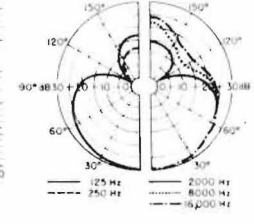


Figure-eight

