

C414 XLS & C414 XLII



RECORDING MICROPHONES



HIGHLIGHTS

- AKG's legendary 1" edge-terminated large diaphragm sound**
- Nine different polar patterns for the perfect sound**
- Lock Mode: for live-sound operation all controls can be disabled easily**
- Peak Hold LED: even displays shortest overload peaks**
- High sensitivity and extremely low self noise**
- High sound pressure level capability and wide dynamic range**
- Completely immune to electrostatic and electromagnetic interference**
- Three switchable bass cut filters and three pre-attenuation**
- All switchable components operate in low impedance circuits for ultra-high reliability even in extremely humid conditions**
- Elastic capsule suspension greatly minimizes structurally-transmitted noise from chassis vibration**
- Pop filter, wind screen and spider-type shock mount included**

KEY MESSAGE

The legendary C414 is a tool found in most recording studios and has been used on thousands of hit records; it's been on stage with artists of every musical genre and is also used by leading broadcast facilities the world over. The C414 family has been one of the world's most widely-used and respected studio and stage microphones in audio history. New useful features and even greater ease of use are the answer to the demands from our ever-growing customer base all over the world.

The new C414 XLS and the C414 XLII offer nine pickup patterns that enable it to choose the perfect setting for every application. For live-sound applications and fixed installations, all controls can be disabled easily for trouble-free use, and the peak hold LED displays even the shortest overload peaks. Both mics have three switchable bass cut filters as well as three pre-attenuation levels that allow lead vocals and solo instruments to be placed in even the densest mixes.

The C414 XLS maintains the sonic character of the legendary C414 B-ULS, the longest-lived C414 model. Engineered for the highest linearity and neutral sound, it is the most universal and versatile large diaphragm microphone released in decades. Widely used for accurate, beautifully detailed pickup of any acoustic instrument, the new C414 XLS combines proven reference quality, leading-edge technology and state-of-the-art components.

The C414 XLII is the successor of the famous C414 B-TL II. It shows the unique sonic signature of the highly sought-after AKG C12, which enables lead vocals and solo instruments to be placed even in a dense mix. The unrivaled up-front sound is also well known for distant miking applications like classical music recording or drum ambiance miking.

The C414 comes complete with everything you need to create great sound recordings, including: a carrying case, a pop filter, a windscreen, and a spider-type shock mount. In addition, AKG offers both the XLII and XLS in stereo sets. The stereo sets are created by AKG's sophisticated matching method for stunning, three-dimensional recordings.



C414 XLS & C414 XLII



RECORDING MICROPHONES

APPLICATIONS

PROFESSIONAL
STUDIO RECORDING

CLASSICAL MUSIC RECORDING
DRUM OVERHEAD MIKING

LEAD VOCALS
& LEAD INSTRUMENTS

ENSEMBLE RECORDING
PROFESSIONAL STAGE MIKING

KEY SPECIFICATIONS

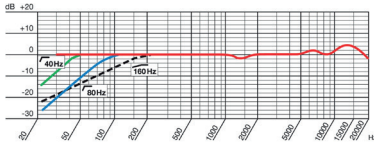
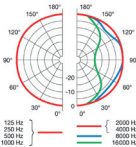
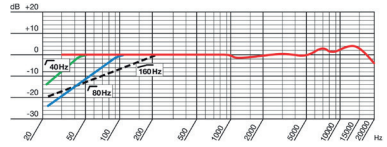
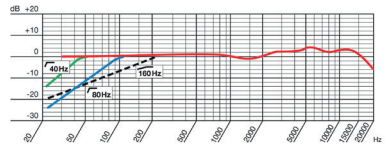
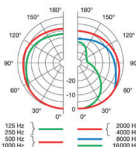
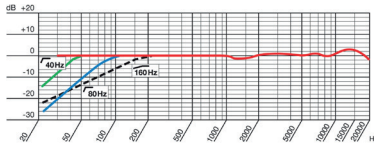
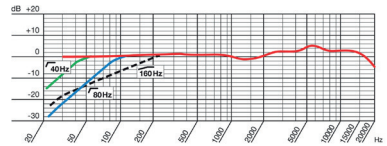
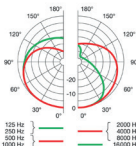
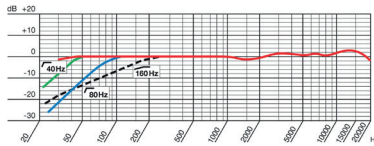
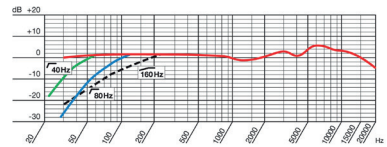
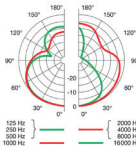
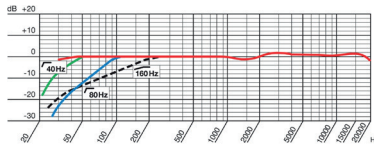
Type:	One Inch Large Diaphragm Pressure Gradient Microphone
Polar patterns:	nine, selectable
Open-circuit sensitivity:	23 mV/Pa (-33 dBV \pm 0.5 dB)
Frequency range:	20 to 20,000 Hz
Impedance:	\leq 200 ohms
Recommended load impedance:	\geq 2200 ohms
Bass cut filter slopes:	12 dB/octave at 40 Hz and 80 Hz; 6 dB/octave at 160 Hz
Pre-attenuation pads:	-6 dB, 112 dB, -18 dB (selectable)
Equivalent noise level to IEC 60268-4:	20 dB (0 dB pre-attenuation)
Equivalent noise level to IEC 60268-4 (A-weighted):	6 dB-A (0 dB pre-attenuation)
Signal/noise ratio re 1 Pa (A-weighted):	88 dB
Max. SPL for 0.5% THD:	200/400/800/1600 Pa \cong 140/146/152/158 dB SPL (0/-6/-12/-18 dB pre-attenuation)
Dynamic range:	134 dB min.
Max. output level:	5 V rms (+14 dBV)
Environment:	temperature: -10°C to +60°C R.H.: 95% (+20°C); 85% (+60°C)
Powering:	48 V phantom power to IEC 61938
Current consumption:	approx. 4.5 mA
Connector:	3-pin XLR (pin 2 hot)
Dimensions:	50 x 38 x 160 mm / 2 x 1.5 x 6.3 in.
Net weight:	300 g / 10.6 oz.



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AKG ACOUSTICS GMBH LAXENBURGER STRASSE 254, 1230 VIENNA, AUSTRIA

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Frequency response
C414 XLS

Polar diagram
C414 XLS / C414 XLII
Omnidirectional

Frequency response
C414 XLII

Wide cardioid

Cardioid

Hypercardioid

Figure 8
