**MICROPHONES**

## NEUMANN KM140 CARDIOID CONDENSER MICROPHONE



Features:
• Switchable 10 dB preattenuation
• Transformerless circuitry
• Very Reliable
Applications:
• Theatre
• Conference
• Cinema
• Rock n Roll
• Live Event
• Theme Parks
• Houses of Worship
• Leisure Facilities
• Voice Evacuation
• Stadiums

AK 40 is a pressure gradient transducer with cardioid characteristic. The frequency curves are very smooth and match 0 sound incidence. Sound from sources within a pickup angle of ± 135 is reproduced without any coloration.

The KM 100 is phantom powered (48 V) and uses transformerless output circuitry. This has several advantages. It features high output capability and extremely low self noise. It provides exceptionally clean sound, free of any coloration. As with traditional transformers, this circuit approach ensures good common mode rejection. The balanced output signal is protected against interference. The construction is extremely compact. The entire microphone circuitry is on a single hybrid module measuring only 2 cm? in area. It is built into the microphone capsule, therefore the term Çactive capsules‰. All sensitive components are protected within the capsule. As a result, the quality of the audio signal is never compromised through the use of accessories, for example, when the capsule is detached from the output stage and mounted on a cable or a gooseneck. Even with a long cable between active capsule and output stage, the signal is immune to external interference. The output stage has a 10 dB switch. Attenuation is achieved by reducing the capsule voltage to one third. When the switch is on, the microphone is capable of accepting sound pressure levels up to 150 dB without being overloaded.



Orbital Sound Ltd, 57 Acre Lane,
Brixton, London, SW2 5TN,
United Kingdom,
Tel: +44 207 501 6868
hire@orbitalsound.com
www.orbitalsound.com