

CharterOak Acoustic Devices

DATASHEET MODEL E700

The CharterOak E700 is a dual diaphragm solid state condenser microphone that employs two 1.22" center terminated, gold sputtered, Mylar diaphragms and pure class A head amp electronics. While this microphone is excellent for universal applications, its rich sound, extremely low noise floor, and build quality make it a particularly excellent choice in the broadcast and voice over environments. The E700 offers cardioid, omni and figure-8 pickup patterns and a two-step sensitivity switch.

E700 SPECIFICATIONS

Acoustical Operating Principle	Pressure Gradient
Diaphragm	Dual 1.22" 6 micron thick gold sputtered Mylar
Frequency Response	25Hz-20kHz
Sensitivity	16mV/Pa 94dB=1V/Pa@1kHz
Polar Pattern	Cardioid, Omni, Figure-8
Impedance	< 200 Ohms
Recommended Load	> 200 Ohms
Equivalent Input Noise	17dB A weighted IEC651
Maximum Sound Pressure Level	125dB for 0.5% total harmonic distortion @ 1000Hz
Power Requirements	+ 48V

The CharterOak E700 is designed, built, quality tested, and delivered to the customer, with the intention of providing the highest quality condenser microphone. This has been achieved through an extended period of research and development, together with a period of beta testing performed by a select group of musicians, engineers and producers. The end result is an extremely high quality, distinctive sounding microphone. This high standard of quality extends beyond the microphone to the cables, shock mount and protective case of the E700. Whether you are in a recording or broadcast environment, a CharterOak E700 gives the discerning producer, engineer or recording artist an attractive option.



CharterOak Acoustic Devices...
Creating the Classics of Tomorrow™

