

PRECISION MONITOR 3



AVALON
ACOUSTICS

HIGH RESOLUTION

REFERENCE TRANSDUCERS



PRECISION MONITOR 3 is POWER! The goal was to create the most dynamically impressive high energy transducer of nominal size, a smaller version of our award-winning SAGA.

By directly transferring the crossover topology and high-current elements of SAGA into PM3, we have achieved a standard of low frequency reproduction never before attained in a loudspeaker of this size. The impedance is absolutely flat below 200Hz, creating a non-reactive load with no back EMF seen by the driving amplifier. The result is a fast, clear and powerful low frequency presentation without group-delay error. The resultant phasing accuracy produces consistent staging stability throughout the frequency spectrum, with focused and vivid imagery, regardless of volume. Accurate and efficient utilization of amplifier energy presents powerful impactful sound pressure without smearing or energy storage. Midrange clarity is open and focused, with high frequencies fully integrated into the overall sonic structure. Three-dimensional staging is both wide and tall, with our characteristic Avalon-transparency and black background.

FEATURES

- Proprietary Silent Inert Cabinet material/process
- Meticulous tracking of power response, amplitude response, phase response, and transient response for unparalleled ambience retrieval and tonality.
- Purely piston wavefront generation with smooth open lobing characteristics.
- Stored energy elimination (SEE) technology produces clear stable imaging and black backgrounds even under heavy SPL demands.
- Entirely resistive and finite loading from 10 Hz to 250 KHz minimizing amplifier perturbation effects.
- Advanced light weight driver diaphragm materials minimize energy storage and time-domain distortion.
- Each driver individually tested and matched for optimum performance.
- Smooth, wide polar response for superlative imaging capabilities.
- Exceptional impedance characteristic allows for ideal interface with any amplifier.
- Crossover circuitry is hard-wired with surface-only conductors, eliminating deleterious sonic effects of printed-circuit boards.
- Proprietary all-phase crossover topologies.
- Careful crossover control of all magnetic field interaction.
- Proprietary magnetics technology increases energy transfer and reduces noise floor.
- Constrained-mode damping system absorbs cabinet vibrations.

SPECIFICATIONS

Driver Complement:

1" Concave Carbon/Glass Tweeter

3 1/2" Concave Ceramic Dome Midrange

2 x 9" Nomex Kevlar Composite Cone Woofers

Sensitivity: 90 dB

Impedance: 4 Ohms Nominal

Frequency Response: 20 Hz to 50 kHz

Recommended Amplifier Power: 25 to 400 Watts

Wiring Methods: Two position Binding Post

Dimensions: 46" (117 cm) H, 11" (28 cm) W, 17" (43 cm) D

Weight: 114 Pounds (52 kg) each

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