

HD-2

High Definition
Mid-Field Monitor



The Meyer Sound HD-2 is a high-definition monitor system that is suitable for a wide variety of critical mid-field monitoring applications. It is optimized to approximate a true point-source radiator within its coverage area, with a frequency response of 32Hz to 22 kHz (-3dB points). Each unit is individually calibrated, and is available in both a wide horizontal coverage (HD-2w) and a narrow horizontal coverage (HD-2n) version.

The HD-2 comprises a 10-inch cone low-frequency driver and 1-inch high-frequency driver housed in a vented cabinet. An active crossover, optimized pole-zero response correction filters, loudspeaker element protection circuitry and dual power amplifiers are built directly into the enclosure.

Both HD-2 drivers are of a proprietary design and are individually factory-tested and selected for maximum linearity. The high-frequency horn driver is of an entirely new configuration, employing a titanium dome and silk suspension in a patented, low distortion design. It is coupled to a modified radial horn in the HD-2w, and to a unique aspherical waveguide in the HD-2n.

The HD-2's power amplifiers utilize complementary power MOSFET output stages in a class AB configuration. Input sensitivity is switchable to either +4 dBu or -10 dBV. A magnetically shielded version is available on special order.

Features

Self-powered

Two-way biamplified

Controlled directivity

Individually factory-aligned

Patented horn driver

Ultra-low distortion

Patented response alignment

Applications

Music recording

Compact Disc™ mastering

Project studios

Surround sound dubbing

Broadcast control rooms



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STUDIO SERIES

HD-2 Specifications

Acoustical (each loudspeaker)

Frequency Response ¹	-3 dB at 32 Hz and 22 kHz
	±1.5 dB from 50 Hz to 20 kHz
Phase Response ¹	+60°, -0° from 120 Hz to 20 kHz
Maximum SPL	124 dB peak @ 1 meter
Signal-to-Noise Ratio	> 100 dB
Coverage Angle	90° horizontal by 40° vertical (HD-2w)
	60° horizontal and vertical (HD-2n)

Audio Input

Type	Electronically balanced, 10k ohms impedance
Connector	XLR (A-3) female
Nominal Input Level	Accepts either +4 dBu or -10 dBV, switchable

Amplifiers

Type	Complementary power MOSFET output stages
Power Output	
Low Frequency	200 watts burst capability
High Frequency	100 watts burst capability
THD, IM, TIM	< .02 %

Crossover

	Optimized pole-zero filter combinations to complement transducer response and to achieve acoustical transparency and flat phase ²
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Transducers

Low Frequency	10" diameter cone (2" voice coil)
High Frequency	1" titanium dome horn driver (1" voice coil) ³

Power

	3-pin IEC male receptacle. Voltage selector switch for 100/120/220/240 VAC, 50 or 60 Hz (accepts voltages from 90 to 260 VAC), 175 W maximum.
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Physical

Dimensions	14" W x 20 ¾" H x 14" D (+ 2 ½" additional depth for amplifier chassis)
Weight	70 lbs (32 kg)

Meyer Sound Laboratories has devoted itself to designing, manufacturing and refining components that deliver superb sonic reproduction. Every part of every component is designed and built to exacting specifications and undergoes rigorous, comprehensive testing in the laboratories.

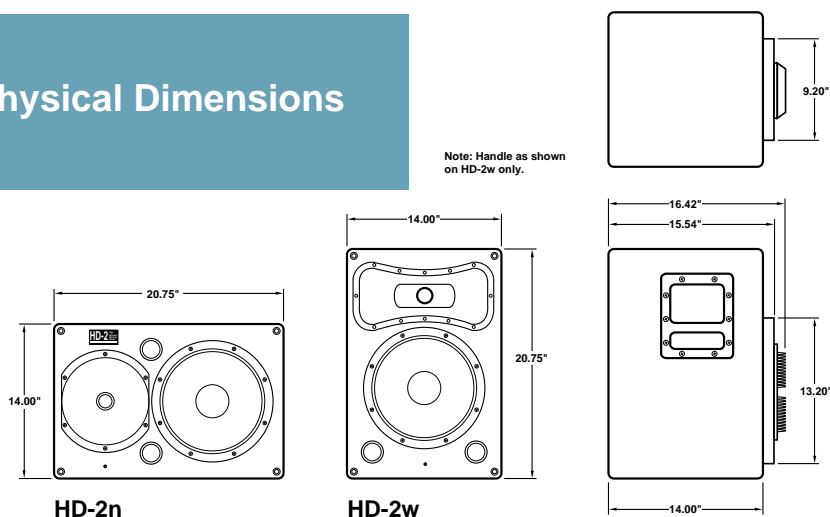
Research remains an integral, driving force behind all production. Meyer strives for sound quality that is predictable and neutral over an extended lifetime and across an extended range.

Notes:

1. Subject to room loading. Specified for 8 feet actual distance between HD-2 cabinet and a single boundary surface, measured with one-third octave frequency resolution in fixed ISO bands.
2. U.S. patent #5,185,801 (additional patent pending)
3. U.S. patent #4,152,552

Unless otherwise specified, all acoustical measurements are performed at ½ meter from front baffle on high frequency horn axis. Acoustical decibels are specified re 20 µPa.

Physical Dimensions



Sound
engineering
for the art
and science
of sound.

