

ME 160

musikelectronic geithain



STUDIO MONITORING SYSTEMS

HIGHEND LOUDSPEAKER

SOUND REINFORCEMENT SYSTEMS



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ME 160

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Musikelectronic Geithain's product range of passive home loudspeakers allows integrating the unique sound image of our active loudspeakers into an existing hi-fi concept. The experience from three decades of loudspeaker making has been incorporated into the development and manufacturing of this product line, applying well-proven and consequently refined technologies such as our *MCDS Coax (Minimum Colouration Directivity Steering Coax)*. Top-level quality is guaranteed due to complete fabrication in our Saxon manufacture.

The ME 160 3-way coaxial loudspeaker has been optimised for the reproduction of sound events in acoustically less attenuated living rooms. Interfering reflections on floor and ceiling surfaces often result in a diffuse and less precise sound image. The ME 160 passive floorstanding loudspeaker avoids this problem thanks to its vertical directivity in the mid and treble ranges. This radiation characteristic is achieved with a special geometric arrangement of the loudspeaker systems.

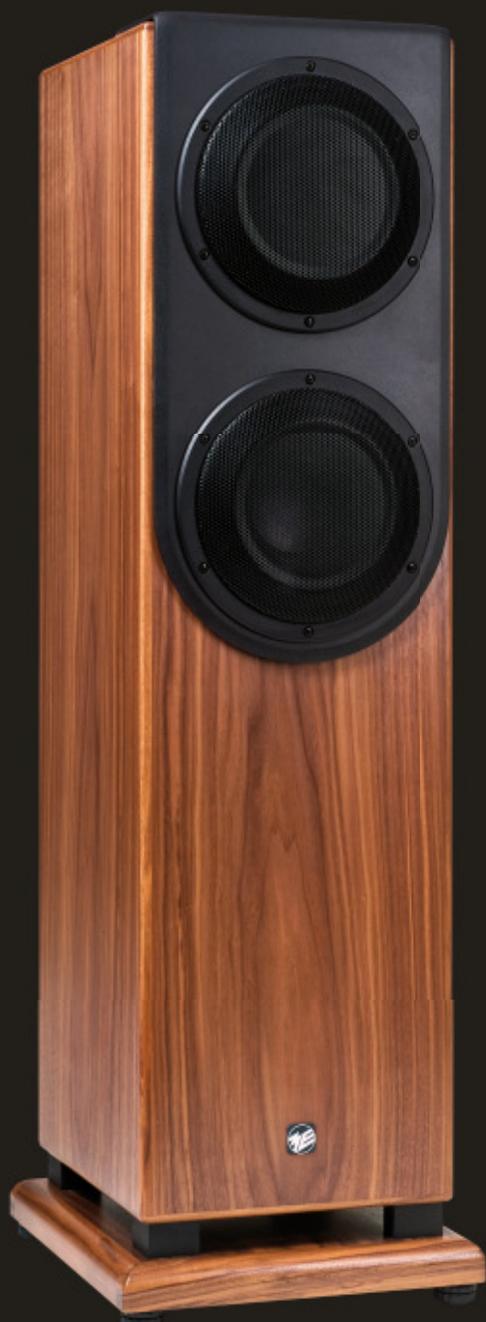
Bass and mid frequencies are reproduced by two 8-inch cone loudspeakers that are fed from separate filter branches. Both systems are placed in a bass-reflex cabinet with a downward-radiating exit opening. This design simplifies the positioning of the loudspeakers for achieving optimal bass reproduction in your listening room.

For the treble range, the floorstanding loudspeaker is equipped with three vertically arranged 1-inch tweeter calottes which are located in front of the upper bass midrange system. This technology both expands the dynamic range and increases the usable listening distance to 5 m. In combination with the coaxial arrangement, the result is a homogenous and natural sound image.

The general concept of the passive 3-way coaxial loudspeaker ME 160 is characterised by high efficiency, sound neutrality and dynamic qualities.

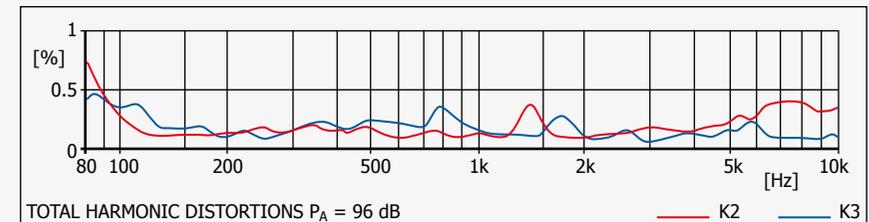
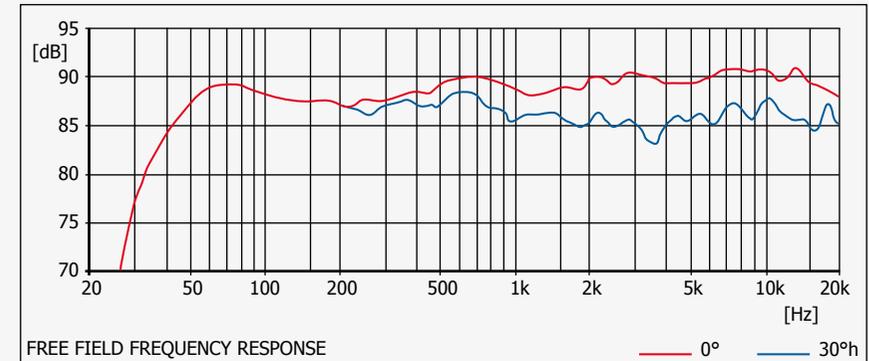


TECHNICAL PROPERTIES



GENERAL	Passive high-end-floorstanding-loudspeaker for hearing distances between 2 and 5 m
PRINCIPLE OF CONSTRUCTION	Coaxial 3-way-system in vented box
MAXIMUM SPL	115 dB peak / r = 1 m (3.3 ft)
SENSITIVITY	89 dB
BANDWIDTH	40 Hz ... 20 kHz - 3 dB / 4 pi
DIRECTIVITY INDEX FROM 100 Hz ... 10 kHz	increasing from 2 to 13 dB
TOTAL HARMONIC DISTORTION MEASURED AT 96 dB / r = 1 m (3.3 ft) FROM 100 Hz ... 10 kHz	≤ - 40 dB
ELECTRONIC Crossover FREQUENCIES	300 Hz and 2.2 kHz
IMPEDANCE	4 Ohm
NOMINAL POWER CAPACITY	160 Watt
MAXIMUM POWER CAPACITY	400 Watt (at programme material)
RECOMMENDED AMPLIFIER POWER	100 ... 400 Watt
LOUDSPEAKER SYSTEMS	
WOOFER	200 mm (8") cone
MID-RANGE UNIT	200 mm (8") cone
TWEETER	3x 25 mm (1") dome
INPUT CONNECTOR	bi-wiring, gold-plated screwed joint
DIMENSIONS	
LOUDSPEAKER (H x W x D)	1070 x 280 x 335 mm (42.1 x 11 x 13.2 in)
BASEPLATE (W x D)	325 x 370 mm (12.8 x 14.6 in)
WEIGHT	32 kg (70.4 lbs)
DESIGN OF THE CABINET	MDF-wood in ash black veneered, different veneers or colors optional

Acoustic diagrams



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„All in all it is an elegant floorstanding loudspeaker displaying true understatement, reluctant to push itself to the fore. However, all understatement is gone immediately if you feed the ME 160 with any music material independent of the genre. Then it really comes out, the proverbial wolf in sheep's clothing...“

Meik Wippermann, „Hörerlebnis“ magazine, issue 72