

**ME 180**

**musikelectronic geithain**



STUDIO MONITORING SYSTEMS

HIGHEND LOUDSPEAKER

SOUND REINFORCEMENT SYSTEMS



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**ME 180**

# ME 180

The ME 180 extends Musikelectronic Geithain's product range of passive high-end loudspeakers. The three-way concept comprises two highly efficient 10-inch woofer systems and a tweeter array of three vertically arranged 1-inch dome tweeters. Through this combination a sensitivity of 90 dB is achieved without wave guides. In connection with the linearised impedance the ME 180 is also the perfect partner to tube amplifiers. Power compression and non-linear distortions are therefore very low, even in fortissimo passages. The directivity index of the system has been optimised to listening distances between 3 and 6 metres, providing a natural sound image in stereo and multi-channel operation. The bass reflex system, designed to deliver optimal transient fidelity, ensures a precise and dry bass reproduction down to a roll-off frequency of 35 Hz. It is possible to close the cabinet's vent and thereby prevent excessive increase in the bass range when positioned near walls.

Frequently used wave guides in front of tweeter systems make directivity control easy; however they tend to produce unavoidable colourations caused by short-time reflections at the inner horn surface. Musikelectronic Geithain breaks the mould by using a tweeter array, doing without horn attachments for sound level boost. The tweeter unit that is arranged coaxially in front of the midrange system guarantees the trademark low-colouration rendition of music and speech and creates the sound event closeness desired by the listener.

The ME 180 is adjustable to the acoustic conditions in the listening room. Especially in modern living rooms with longer reverberation time in the mid range the increase of the acoustic power in the presence range is possible as well as an attenuation at 200 Hz.

Summing up all the constructive measures, the ME 180 achieves seamless sound compatibility with all other products made in the Geithain manufacture. The highly neutral tone quality, excellent spatial performance and depth arrangement, together with fatigue-free monitoring of even most complex sound events are typical ME Geithain characteristics of this loudspeaker.

This loudspeaker will harmonise perfectly with your listening room due to its attractive design and the large variety of different wood veneers or high-gloss or semi-gloss varnish surfaces.





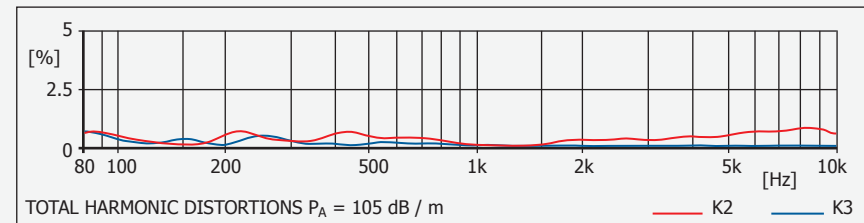
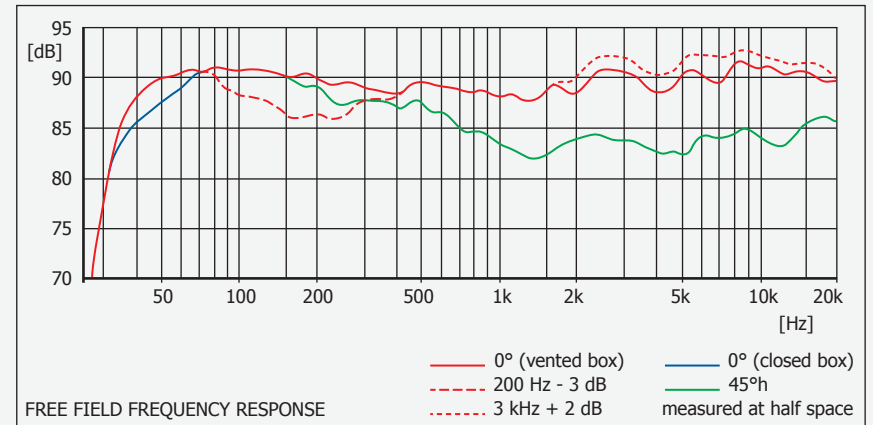
## SPECIFICATIONS



veneer: santos rosewood

GENERAL	passive high-end-coaxial-loudspeaker for listening distances between 3 m and 6 m
PRINCIPLE OF CONSTRUCTION	coaxial 3-way-system in vented and closed box
MAXIMUM SPL	118 dB peak / r = 1 m (3.3 ft)
SENSITIVITY	90 dB / r = 1 m (3.3 ft)
BANDWIDTH	35 Hz ... 20 kHz $\pm$ 3 dB / 2 pi
ADJUSTMENTS	200 Hz - 3 dB via gold plated jumper 3 kHz + 2 dB via gold plated jumper
DIRECTIVITY INDEX FROM 100 Hz ... 10 kHz	increasing from 2 dB to 13 dB
TOTAL HARMONIC DISTORTION MEASURED AT 96 dB / r = 1 m (3.3 ft) FROM 100 Hz ... 10 kHz	$\leq$ - 44 dB
ELECTRONIC Crossover FREQUENCIES	300 Hz and 2 kHz
IMPEDANCE	4 Ohms (impedance linearised)
NOMINAL POWER CAPACITY	200 W
MAXIMUM POWER CAPACITY	500 W peak
RECOMMENDED AMPLIFIER POWER	50 W ... 500 W peak
LOUDSPEAKER SYSTEMS	
WOOFER	260 mm (10") cone
MID-WOOFER	260 mm (10") cone
TWEETER	3x 25 mm (1") dome
INPUT CONNECTOR	bi-wiring terminal 4 mm gold-plated binding posts / banana jacks
DIMENSIONS (H x W x D)	1.165 x 357 x 419 mm (45.9" x 14.1" x 16.5")
WEIGHT	53 kg (116.8 lbs)
DESIGN OF THE CABINET	MDF-wood in ash black veneered optional different veneers or colours

## Acoustic diagrams



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