

ME 901K1

musikelectronic geithain



STUDIO MONITORING SYSTEMS

HIGHEND LOUDSPEAKER

SOUND REINFORCEMENT SYSTEMS



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Great events often come from little causes. The ME 901K1 has been designed for music enthusiasts, which focus on the legendary sound of the RL 901K in the smallest possible cabinet. To minimise the size of the cabinet the amplifier module is housed in a separate cabinet.

Our reliable *K-Technology* is also used in the ME 901K1 and by the cardioid radiation characteristics within the frequency range from 30 through to 250 Hz the reflections on the back walls of listening rooms can be minimised. In addition the transfer characteristic can be matched to the acoustical conditions of the reproduction room as well as to the set-up situation by an integrated room matching filter.

The unit for the medium and high-frequency range is combined in a coaxial manner with our long-throw 16-inch bass system and is provided with a directivity index, which supplements in an excellent way that of the bass system. The total directivity index of the monitor was optimised for middle and larger listening distances between two and four metres. The whole system is superior by excellent localisation behaviour. Moreover, a series of constructional measures provide that convincing lowest values of non-linear distortions and colourations could be reached.

The concept of the active 3-way coaxial speaker ME 901K1 offers a high sound compatibility to the RL series and convinces with phenomenal spatiality.

Additionally to the ME 901K1 an elegant stand is available.

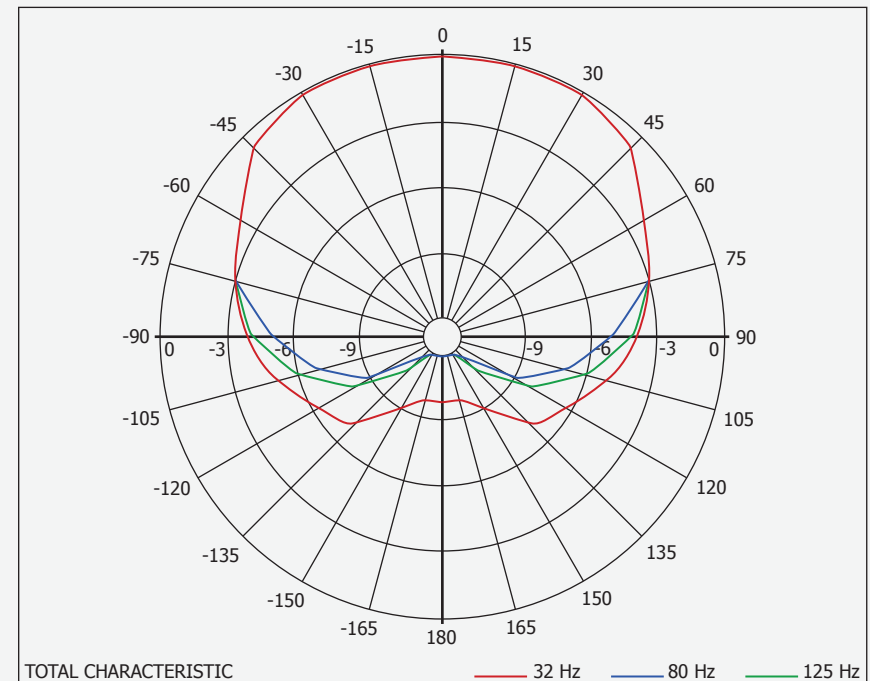
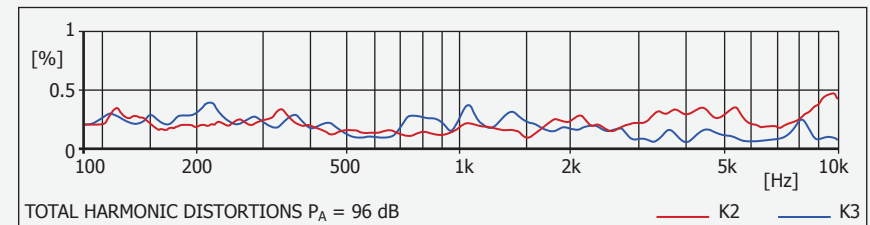
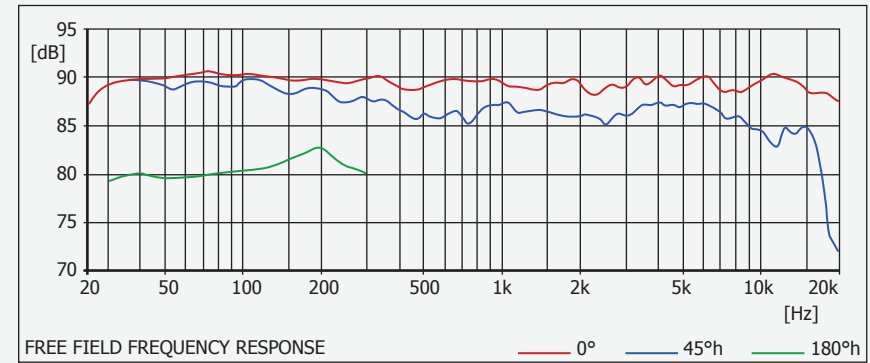


SPECIFICATIONS



GENERAL	Active 3-way coaxial-loudspeaker for listening distances from 2 m to 4 m
MAXIMUM SPL FROM 100 Hz ... 10 kHz	116 dB ... 122 dB / r = 1 m (3.3 ft)
BANDWIDTH	25 Hz ... 20 kHz \pm 3 dB
CALIBRATION: ACOUSTIC OUTPUT LEVEL / P_e = - 14 dBu	89 dB / r = 1 m (3.3 ft)
DIRECTIVITY INDEX FROM 100 Hz ... 10 kHz	increasing from 5 dB to 10 dB
INHERENT NOISE SOUND LEVEL	\leq 7 dB (A) / r = 1 m (3.3 ft)
TOTAL HARMONIC DISTORTION MEASURED AT 96 dB / r = 1 m (3.3 ft) FROM 100 Hz ... 10 kHz	\leq - 44 dB
NOMINAL INPUT LEVEL	+ 6 dBu adjustable
INPUT IMPEDANCE	\geq 10 kOhms RC symmetrically
ELECTRONIC CROSSOVER FREQUENCY	550 Hz and 2.8 kHz
NOMINAL OUTPUT POWER OF THE AMPLIFIER	
LF	180 W @ 4 Ohms
MF	100 W @ 4 Ohms
HF	100 W @ 4 Ohms
POWER REQUIREMENTS	230 V $\sim \pm$ 10 %, 50 Hz ... 60 Hz 115 V $\sim \pm$ 10 %, 50 Hz ... 60 Hz (optional) 100 V $\sim \pm$ 10 %, 50 Hz ... 60 Hz (optional)
POWER CONSUMPTION	35 VA at standby; max. 300 VA at full load
MAINS CONNECTION	IEC power connector
OPERATION AND CLIPPING INDICATOR	LED on front side
INPUT CONNECTOR	XLR 3F
CONNECTION BETWEEN LOUDSPEAKER AND AMPLIFIER CASE	Speakon NL8; shielded cable Standard length 1.50 m; other lengths optional available
LOUDSPEAKER SYSTEMS	
WOOFER	400 mm (16") cone
MID-RANGE UNIT	125 mm (5") cone
TWEETER	25 mm (1") dome
DIMENSIONS (H x W x D)	
LOUDSPEAKER	480 x 460 x 400 mm (18.9" x 18.1" x 15.8")
AMPLIFIER	520 x 310 x 200 mm (20.5" x 12.2" x 7.9")
PEDESTAL	600 x 470 x 410 mm (23.6" x 18.5" x 16.1")
WEIGHT	
LOUDSPEAKER	34.9 kg (76.9 lbs)
AMPLIFIER	13.3 kg (29.3 lbs)
PEDESTAL	17.0 kg (37.5 lbs)
TEMPERATURE REQUIREMENTS	
FOR USE	+ 15°C ... + 35°C (59°F ... 95°F)
FOR STORAGE	- 25°C ... + 45°C (- 13°F ... 113°F)
HUMIDITY	45 % ... 75 %
DESIGN OF THE CABINET	MDF-wood in ash black veneered; optional different veneers or colours optionally with holding device available
LOUDSPEAKER	base plate in microstructure semi-gloss-black
AMPLIFIER	
PEDESTAL (OPTIONAL AVAILABLE)	fillable columns and top plate in polished stainless steel base plate in microstructure semi-gloss-black

Acoustic diagrams



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Nikolaistraße 7
04643 Geithain / Germany

Tel: +49 (0) 34341 3110
Fax: +49 (0) 34341 31144

E-Mail: info@me-geithain.de

www.me-geithain.de