

FO 5

Article number: (black) 1007997, (white/RAL*) 1008089

The ultra-compact, cube-shaped FO 5 features an innovative coaxial 5"/1" transducer with 110° dispersion, in which the silk dome tweeter uses the shape of the woofer cone as a wave guide.

This makes it particularly suitable for close listening distances and ideal for use as a delay speaker in larger rooms for front sound reinforcement or nearfill at the edge of the stage in fixed installations. In combination with the S112 (F) subwoofer, it grows to full size and offers a powerful full-range sound reinforcement solution that will please even the most discerning ears.

In addition to nearfield monitoring at lecterns, other areas of application include high-quality hospitality or background sound reinforcement as well as unobtrusive placement in exhibitions, for elaborate immersive audio applications with many sources or simply for use by Power Hi-Fi enthusiasts.

With its extensive range of accessories, the FO 5 can be quickly and safely installed in all standard applications, but can also handle more specialised requirements with ease.

Features:

- Ultra-compact coaxial speaker
- Support for Lab.Gruppen IPX and LEA Professional with DSP Presets and other DSP platforms with Filter Sheets in open table format
- All-new passive crossover with self-healing HF protection circuit for maximum operational reliability in fixed installations
- Swivel and tilt wall bracket allows space-saving and visually appealing installation with precise alignment options at the same time
- Matching U-brackets allow for flown installation on ceilings, with the brackets allowing for adjustable alignment to different audience areas
- Special accessories for mounting on rotatable 360° bracket and for internal ceiling or wall mounting with L-brackets
- Hole pattern on the back in the internationally standardised VESA format for attaching additional mounting accessories required for the particular application
- Extremely solid enclosures using acoustically beneficial MDF and foam-backed grille
- Standard design with 2 Neutrik Speakon sockets
- Simulation data for EASE and EASE FOCUS for predicting sound distribution and speech intelligibility
- Certified ball-impact resistant in line with DIN 18032-3



FO 5 Technical data



Characteristics

Concept	Passive 2-way mid/high unit
Cabinet principle	Bass reflex
Power handling RMS	100 W
Power handling program	200 W
Power handling peak	400 W
Nominal impedance ¹⁾	8 ohms
Max. SPL average ²⁾	109 dB
Max. SPL peak ³⁾	112 dB
Sensitivity 1 W/1 m ⁴⁾	87 dB
Crossover frequency	3.1 kHz
Frequency range -6 dB	81 Hz - 20 kHz
Frequency range -10 dB	75 Hz - 20 kHz
Dispersion angle -6 dB (circular)	110°

Certifications

Ball impact resistance (DIN 18032-3)	certified (MPA University Stuttgart)
IP protection class (EN 60529)	not specified

Components

Low-/mid frequency	1x 5" Celestion coaxial cone speaker with ferrite magne and 1.5" voice coil
High frequency	1 x 1" Celestion silk dome tweeter with neodymium magnet and 1" voice coil
Crossover	High pass: 18 dB/octave, low pass: 12 dB/octave
High frequency protection circuit	Self-healing PTC fuse
Horn	Coaxial membrane functions as wave guide

Connections

Input	1 x NL4 Speakon
Output/parallel output	1 x NL4 Speakon
Pin assignment	1+/- (input/parallel output), 2+/- (wired through)

Amping/DSP Presets

Lab.Gruppen	IPX
LEA Professional	Sharkware

Amping/Filter Sheets

Filter specifications in tabular form for frequency response equalization without limiter specifications	Biamp Tesira, BSS, Lab.gruppen, Lake, Linea Research, Marani, Powersoft, QSC Q-SYS, Symetrix specifications
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Mechanical data

Mounting points	2 x M6 at the side, 4 x M4 at the rear
Cabinet material	MDF
Cabinet surface	1-component acrylic enamel
Color	Jet black (RAL 9005), signal white (RAL 9003) or special color according to catalog
Front grille	Steel front grille with anticorrosive coating, backed acoustic foam
Optional accessories	U-bracket, L-bracket, BM-360, adapter plate to VESA MIS-D (100 x 100 mm)
Dimensions (W x H x D)	195 x 195 x 195 mm 7.68 x 7.68 x 7.68 inch
Weight	4.2 kg / 9.23 lbs



Declaration of conformity

Konformitätserklärung

This is to certify that
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comply with the provisions of the Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

This declaration of conformity of the European Union is the result of an examination carried out by the Quality Assurance Department of STAMER MUSIKANLAGEN GmbH in accordance with European Standards EN IEC 63000:2018 for RoHS.



Stamer Musikanlagen GmbH
Magdeburger Str. 8, 66606 St. Wendel, Germany

L. Stamer
Lothar Stamer, Dipl.-Ing.
Managing Director
St. Wendel, 24/08/2023

Für die nachfolgend bezeichneten Erzeugnisse

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wird hiermit bestätigt, dass sie den wesentlichen Schutzanforderungen entsprechen, die in der Richtlinie 2011/65/EU zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten (RoHS) festgelegt sind. Diese Erklärung gilt für alle Exemplare und bestätigt die Ergebnisse der Messungen, die durch die Qualitätssicherung der STAMER MUSIKANLAGEN GmbH durchgeführt wurden.

Zur Beurteilung der Einhaltung der RoHS-Richtlinie wurde folgende Norm herangezogen: EN IEC 63000:2018.



Stamer Musikanlagen GmbH
Magdeburger Str. 8, 66606 St. Wendel, Deutschland

L. Stamer
Lothar Stamer, Dipl.-Ing.
Managing Director
St. Wendel, 24.08.2023

Materialprüfungsanstalt
Universität Stuttgart
Friedrichsstr. 103, 70549 Stuttgart

MPA
Technische Universität
Stuttgart



Prüfungsbericht

Prüfung der Ballwertsicherheit

Berichts-Nr.: 904 1982 0003
Auftraggeber: Stamer Musikanlagen GmbH
Trichterstraße 3
06600 St. Wendel
Auftraggeber (HINWEIS): -
Auftraggeber (MPA): 9041 862 000 / Sign
Prüfungsgegenstand: Lautsprecher FINEO FO 5 (1007887) mit Bügel (1008020)

Prüfungsfunktion mit Ausgabedaten: [1] DIN 18032-3:2019-11
Sportstätten - Hallen für Turnen und Spielen und Mehrzwecknutzung - Teil 3: Prüfung der Ballwertsicherheit

Eingangstermin des Prüfungsantrags: 29.11.2022
Datum der Prüfung: 29.11.2022
Gültigkeit des Berichts: 19.12.2022
Seite 1 von 3 Textseiten
Berechnungen: 3
Anlagen: 0
Gesamtergebnis: 0
Anzahl der Auswertungen: 0

Die Prüfergebnisse beziehen sich ausschließlich auf die Prüfungsanforderungen der MPA. Die Prüfergebnisse sind nicht zu verwechseln mit den Ergebnissen der MPA. Die Prüfergebnisse sind nicht zu verwechseln mit den Ergebnissen der MPA. Die Prüfergebnisse sind nicht zu verwechseln mit den Ergebnissen der MPA.

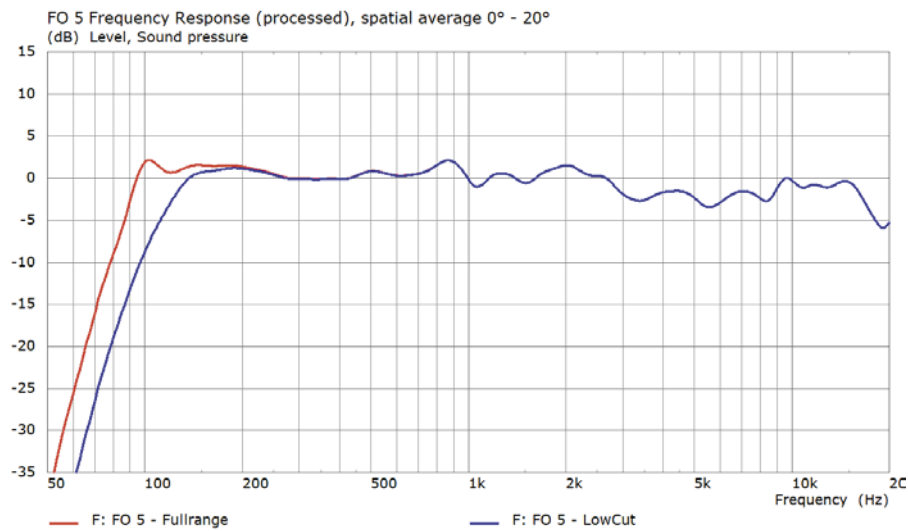
1) According to EN 60268-5 (minimum value not less than 80% of nominal value)

2) 1 m, 10 % THD @ 100 Hz - 20 kHz, (EN 60268-21), full space

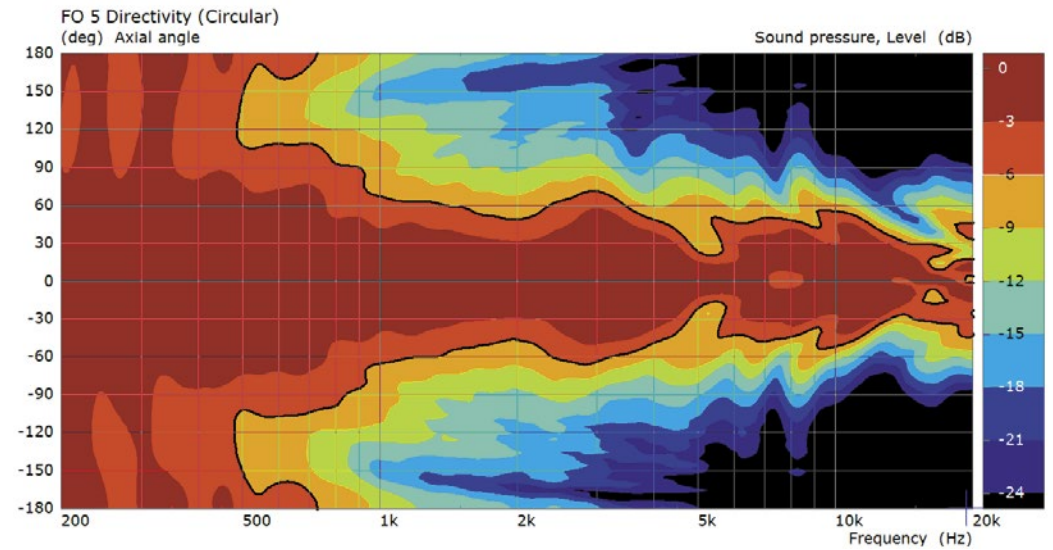
3) 1 m, 10 % THD @ 2 kHz, full space

4) 100 Hz - 20 kHz, full space

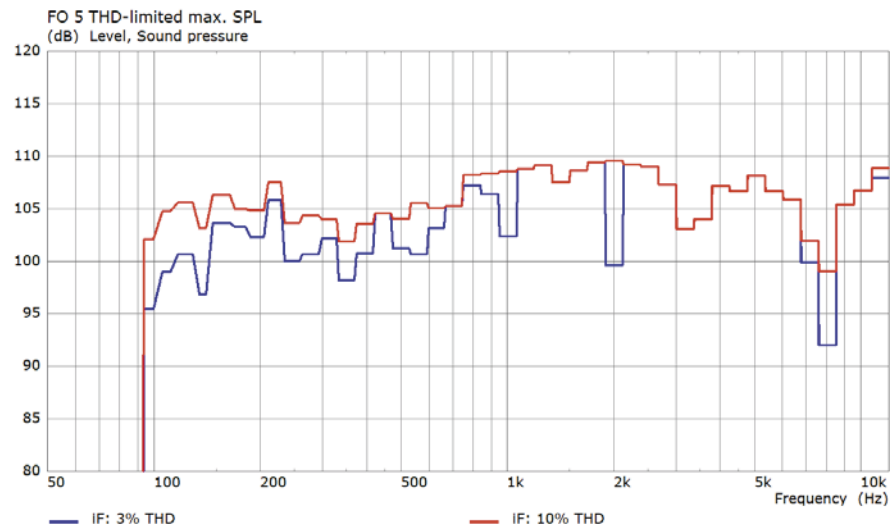
FO 5 Acoustic measurements



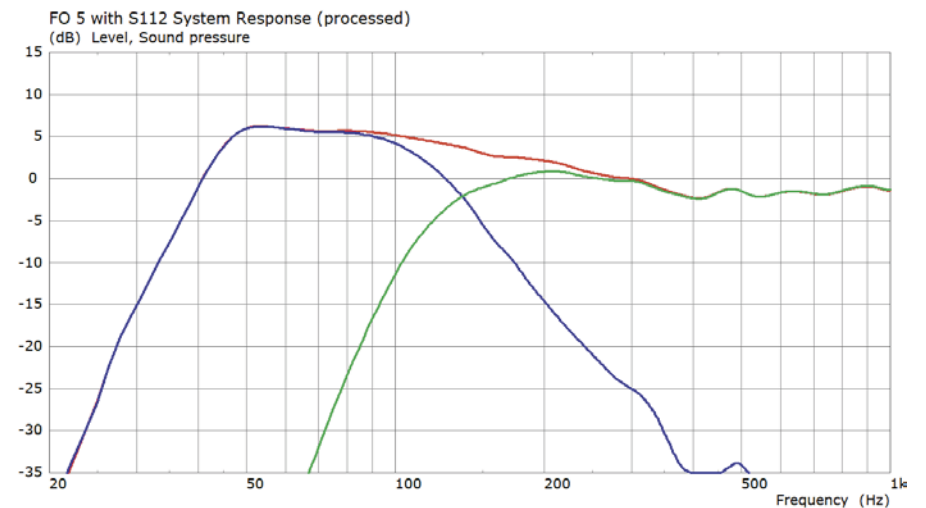
Frequency response with DSP preset (red = full range, blue = high pass)



Directivity



Max. SPL (blue = 3 % THD, red = 10 % THD)



System frequency response in the crossover region with FO S112

Accessories

Swivel and Tilt Mount S (VESA MIS-D)

Article number: (black) 1008077, (white/RAL*) 1008078

Swivel and Tilt Mount for mounting a speaker on a wall. Continuous horizontal rotation and vertical tilt in 10° increments from 0° to 30°. Mounted using the VESA hole pattern (MIS-D) on the back of the speaker.



U-bracket

Article number: (black) 1008026, (white/RAL*) 1008099

FO 5 U-bracket made of high-strength powder-coated steel for fixed installation of an FO 5. Simple installation on the side of the cabinet. Infinitely adjustable tilt. Can be installed on microphone/desk stand via central 10 mm opening. Ball-impact resistance certificate in line with DIN 18032-3.



Adapter plate VESA MIS-D

Article number: (black) 1008083, (white/RAL*) 1008084

Adapter plate made of high-strength powder-coated steel with row of punched holes. Required accessory for using the BM-360 with FO 5.



BM-360 (360° bracket)

Article number: (black) 1008085, (white/RAL*) 1008086

360° bracket for installing a FO 5 speaker on a wall, ceiling or surface. Tilt angle continuously adjustable on all axes. Requires the FO 5 adapter plate to connect to the cabinet.



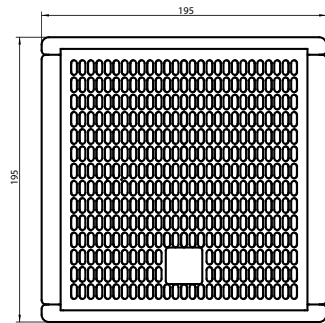
L-bracket (Pair)

Article number: (black) 1008081, Only available in black!

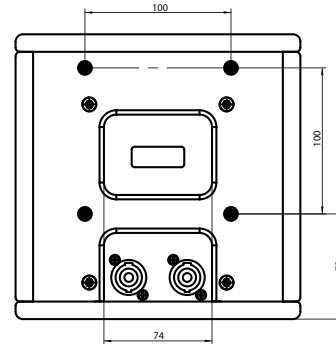
Bracket for installing a FO 5 speaker in a wall or ceiling. The maximum installation depth is 75 mm. Supplied in pairs for installing one FO 5 speaker.



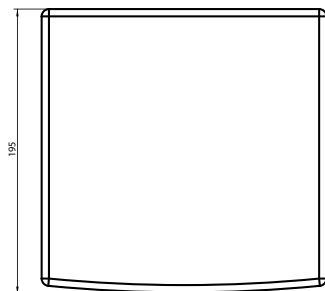
FRONT VIEW



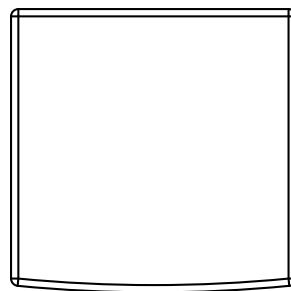
REAR VIEW



TOP VIEW



BOTTOM VIEW



HK Audio
Postfach 1509
66595 St. Wendel, Germany

info@hkaudio.com
fax +49-68 51-905 215
www.hkaudio.com
D-3274