

SP-310CX

Order no.: 0102200

PRODUCT INFORMATION

2-way coaxial PA speaker,
with integrated horn tweeter.

- 25 cm (10") PA bass speaker of high power capability and high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 44 mm) high-frequency driver
- Excellent sound characteristics
- Robust diecast basket with rear-ventilated centering spider
- 64 mm (2½") heat-resistant voice coil on a polyamide voice coil former (TIL)
- Excellent and consistent radiation pattern
- Ideally suited for stage monitors or very compact full range speaker systems
- Operation only allowed with crossover network (recommended crossover frequency: >1,800 Hz)

Klang+Ton 02/2016
“The speaker system Studio 10 features a very neutral sound with great power reserves. Suitable as a studio monitor as well as for hi-fi applications of high requirements. The Studio 10 provides a well-balanced and neutral sound which achieves top results.” (SP-310CX in a project from K+T)

Klang+Ton 02/2016

The SP-310CX applied in the Studio 10, a project from K+T:
“The speaker system Studio 10 features a very neutral sound with great power reserves. Poor recordings are not enhanced, high-quality recordings show their full potential - a perfect tool!”

Klang+Ton 01/2016

“Despite its compact size, the thorough development resulted in a speaker system with a high power capability which can surely meet audiophile requirements. It is an ideal coaxial speaker for hi-fi and monitoring.”

Manufacturer information:
MONACOR INTERNATIONAL GmbH & Co. KG
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Germany
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SPECIFICATIONS

SP-310CX	
Impedance (Z)	2 x 8 Ω
Transmission technology	cable
Frequency range	f3-3,000 Hz (bass) 1,000-22,000 Hz (tweeter)
Resonant frequency (fs)	60 Hz (bass), 700 Hz (tweeter)
Power rating (RMS)	200 W (bass) / 50 W (tweeter)
Peak music power output (MAX)	400 W (bass) / 100 W (tweeter)
SPL	96 dB (bass) / 105 dB (tweeter)
Suspension compl. (Cms)	0.24 mm/N
Moving mass (Mms)	32 g
Mech. Q factor (Qms)	3,24
Electr. Q factor (Qes)	0,36
Total Q factor (Qts)	0,32
Equivalent volume (Vas)	41 l
DC resistance (Re)	5.6 Ω
Force factor (BxL)	13.3 Tm
Voice coil induct. (Le)	0.65 mH
Voice coil diameter	Ø 64 mm (bass) / Ø 44 mm (tweeter)
Voice coil former	polyimide

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Linear excursion (XMAX)	± 2.5 mm
Eff. cone area (Sd)	346 cm^2
Magnet weight	1.6 kg
Magnet diameter	Ø 156 mm/Ø 110 mm
Mounting cutout	Ø 232 mm
Mounting depth	173.5 mm
Dimensions	263 x 263 x 188 mm
Width	263 mm
Height	263 mm
Depth	188 mm
Colour	black
Admiss. ambient temp.	0-40 °C
Weight	6.24 kg
Packing unit	1
Type of speaker	10"
Packaging dimensions (W x H x L)	0.34 x 0.25 x 0.35 m
Gross weight	7.15 kg
Net weight	6.24 kg

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EAN code	4007754246582
Net weight	6.24 kg