

AL 10

Line-array Speaker



Features and Functions

- Strong industrial technology
- Sturdy and robust design
- Degree of protection IP54
- Ideal for speech and background music

The compact weather-proof column speakers of the AL10 series are used together with the INDUSTRONIC communication and public address system. They are ideal for transmission of speech and background music.

Mechanical Data

• Housing	Plastic
• Width x height x depth	100 mm x 300 mm x 96 mm (4" x 11.8" x 3.8")
• Weight	2 kg (4 lbs)
• Color	White
• Mounting	Metal bracket
• Connection	Cable (approx. 0.5 m (20"))

Electrical Data

• Rated power	12 W
• Transformer tapings	100 V: 12 W / 6 W / 3 W / 1.5 W
• Sound pressure level 1 W, 1 m	94 dB (+/-3 dB)
• Sound pressure level 12 W, 1 m	105 dB (+/-3 dB)
• Effective frequency range	220 Hz to 16,000 Hz
• Dispersion angle (-6 dB)	1 kHz: 220°, 4 kHz: 60°, 8 kHz: 60°

Environmental Requirements and Standards

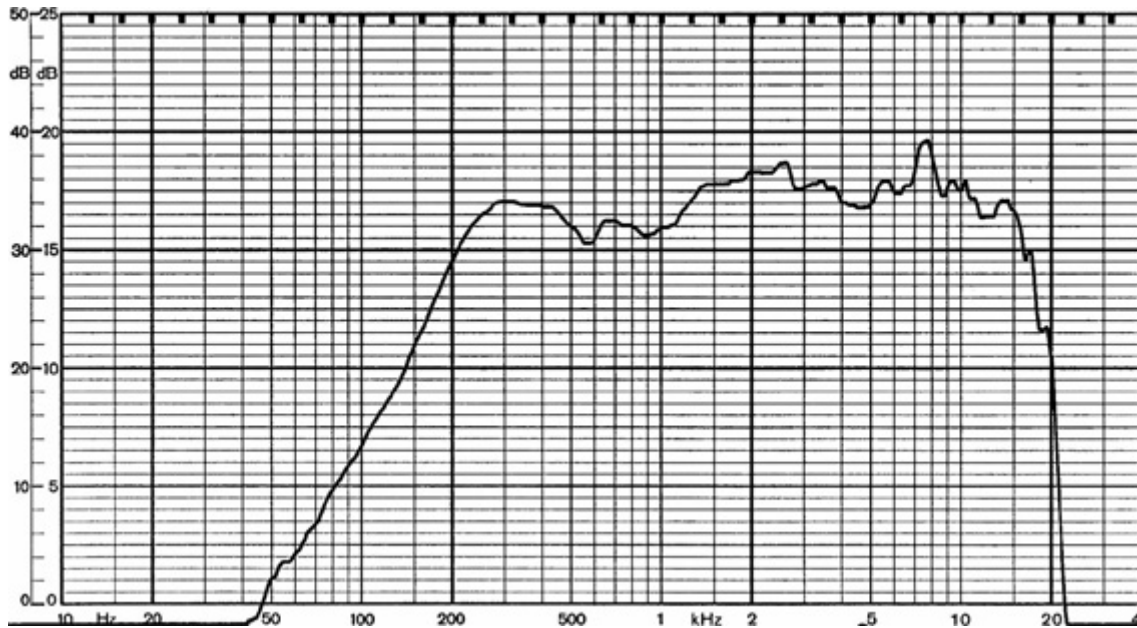
• Ambient temperature during operation	-20 °C to +60 °C (-4 °F to +140 °F)
• Humidity	Max. 95 %
• Degree of protection	IP54

Order Data

Type Number

001-210-003

Frequency Diagram



Measurement Conditions

Sound pressure level (SPL): 1 W / 1 m

Pink noise: 1/3 octave filter

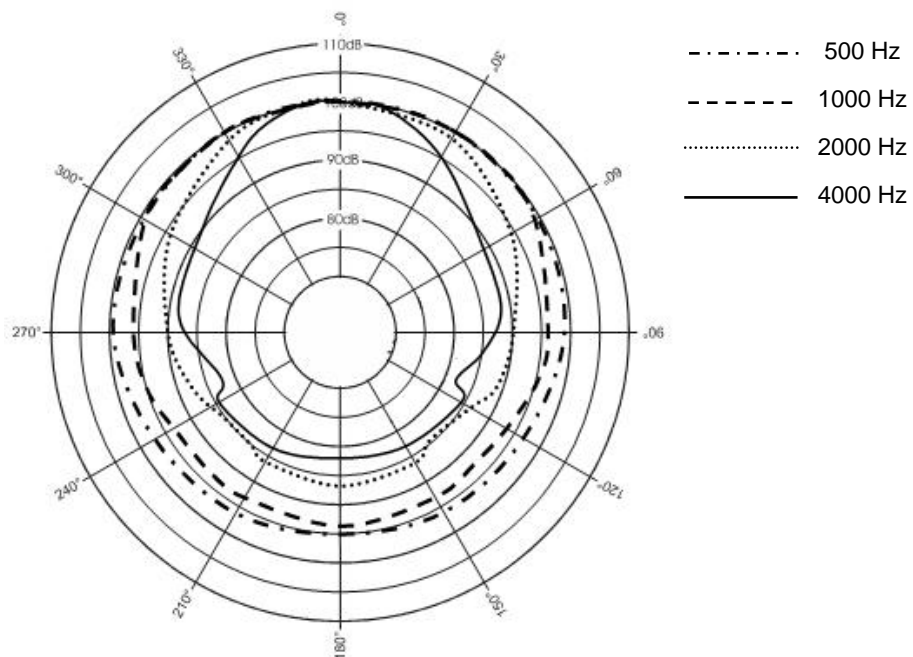
Zero level: 60 dB

Range: 50 dB

Output Level related to Distance

P max:	Level (dB) at	(-6 dB)	(-12 dB)	(-16 dB)	(-18 dB)	(-22 dB)	(-24 dB)	(-26 dB)	(-28 dB)
12 W	1 m	2 m	4 m	6 m	8 m	12 m	16 m	20 m	25 m
	105	99	93	89	87	83	81	79	77

Polar Diagram



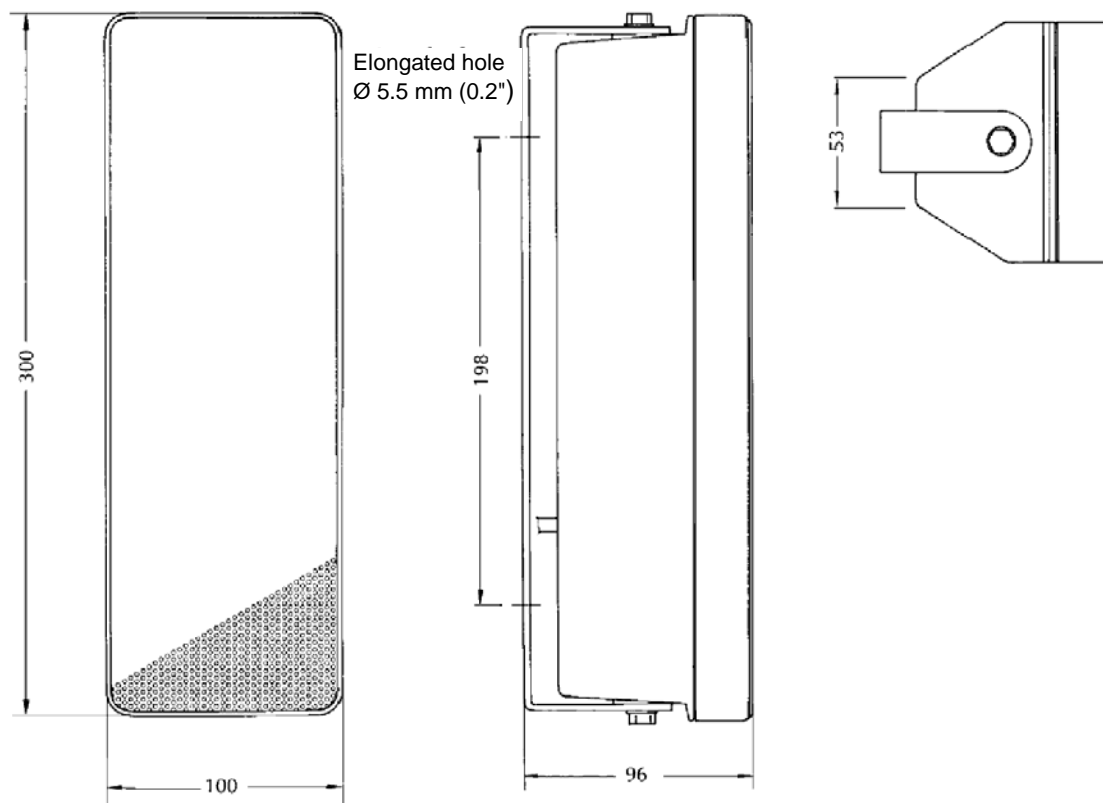


Fig. 1: Dimensional drawing AL 10

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