

DATA SHEET

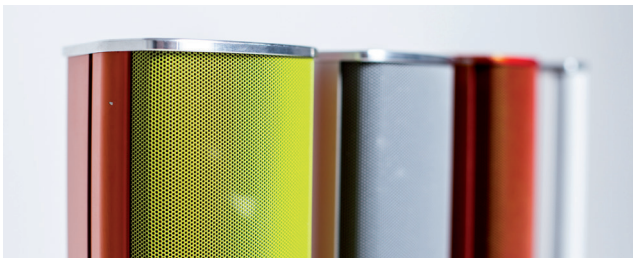
PAN SPEAKER P 04-EN54 - PASSIVE COLUMN SPEAKER



The **Pan Speaker P 04-EN54** is a passive speaker mounted in an attractive compact design which is suitable for speech and music applications in EN 54 applications. The loudspeaker is equipped with four 3.5" HQ drivers content in a closed aluminium housing.

The housing can be delivered in all RAL colours on customer's request. The chassis are protected against external influences by a perforated metal sheet.

There is a cable gland connection at the back of the **P 04-EN54**. At the back and sides of the **P 04-EN54** there are nuts with adjustable slot nuts which enable wall mounts and brackets.



ADDITIONAL OPTIONS

- Colour option

FEATURES

High efficiency, 100 V connection, switchable output power 75 W / 37,5 W / 18,8 W / 9,8 W, switchable High Pass Filter (HPF), integrated protection circuits, high speech intelligibility even in the most adverse acoustic environments, sleek and unobtrusive design

For the **Pan Speaker series** there is a wide range of mounting accessories for fixed installations and mobile applications.

All **Pan Speakers** are developed, designed and manufactured by Pan Acoustics which uses high quality materials according to the stringent criteria.

MADE IN GERMANY

APPLICATIONS

Churches, Mosque, Museum, Hotels, University, Live Sound, Train stations, Airports, Sports grounds, Parliament, Conference rooms, Auditorium, Shopping centre, A/V Installations

TECHNICAL DATA PAN SPEAKER P 04-EN54

ACOUSTIC SPECIFICATION

Type:	Passive column speaker
Drivers:	4 x 3.5"
Rated Power:	75,0 W / 37,5 W / 18,8 W / 9,8 W (switchable)
Recommended amplifier:	Lab.gruppen
Maximum SPL 100 V*:	95 dB _{SPL} @4m
Sensitivity (1W/4m)*:	77 dB _{SPL}
Frequency range:	190 Hz - 15 kHz (-10 dB, +6 dB, HPF off)
Horizontal coverage*:	@ 500 Hz : 360.0° @ 1000 Hz : 220.0° @ 2000 Hz : 150.0° @ 4000 Hz : 100.0°
Vertical coverage*:	@ 500 Hz : 160.0° @ 1000 Hz : 70.0° @ 2000 Hz : 30.0° @ 4000 Hz : 15.0°
Steering angle**:	vertical -4°
Typical throw**:	15 m

ELECTRICAL SPECIFICATION

Rated impedance*:	@ 100 % : 133 Ω @ 50 % : 266 Ω @ 25 % : 532 Ω @ 12,5 % : 1013 Ω
Rated noise power:	75 W _{rms}
Rated noise voltage:	100 V _{rms}
Control switches:	Maximum input power (100 % / 50 % / 25 % / 12,5 %) Switchable high pass filter
Fuses:	Glass fuse (1,0 A slow type, replaceable) Thermal fuse (Open temperature 104 °C, 16 A, 250 V _{AC}) One-shot operation, replaceable)
Connections:	Terminal ceramic block (100 V / 0 V) Rated cross-section : (0,8...2,5 mm ²) Cable gland - maximum diameter : Ø (4,5 - 10) mm

GENERAL SPECIFICATION

Pilot tone detection**:	Indicator : green LED on front Frequency range : 20 kHz ... 23 kHz Minimum level : 6 V _{rms}
Enclosure:	Aluminium-Profile
Grille:	Powder coated perforated steel
Colour:	Aluminium RAL 9006
Temperature range:	-25 °C ... +70 °C environment
Dimensions (HxWxD):	506 x 107.2 x 117.9 mm
Weight:	3.1 kg
Standards:	EN 54-24 Type B (outdoor)
Mounting accessory:	Different mounting options available

* referred to EN 54-24

** not measured in laboratory