

Classis BM 43

Boundary Microphone



FEATURES

- Half-spherical polar pattern
- RFI-proof due Scudio™ technology
- High-quality non-glare design
- Linear frequency response
- Suitable for miking speech

TECHNICAL SPECIFICATIONS

Transducer type	Condenser (back-electret)
Operating principle	Pressure
Frequency response	40 - 20,000 Hz
Polar pattern	Half-spherical
Open circuit voltage	21 mV/Pa = -33.5 dBV
Nominal impedance	< 200 Ω
Nominal output impedance	≥ 1 kΩ
Max. SPL at 1 kHz	124 dB
Dynamic range	95 dB
Signal-to-noise ratio	65 dB [A, RMS]
Noise voltage	9.1 μV [A, RMS]
A-weighted equivalent SPL	29 dB
Voltage supply	8 - 52 V phantom power
Current consumption	approx. 2.3 mA
Dimensions without connector (L x W x H)	86 x 61 x 21 mm [3.39" x 2.40" x 0.83"]
Weight with cable	213 g [7.51 oz]

VERSIONS

Classis BM 43 B	black, integrated pre-amp, bare-ended 3 m long cable Order # 723.800
Classis BM 43 W	white, integrated pre-amp, bare-ended 3 m long cable Order # 723.819
Classis BM 43 BC	black, integrated pre-amp, 3 m long cable with 3-pin XLR connector. Order # 729.515

APPLICATIONS

The Classis BM 43 is a small condenser boundary microphone with a half-spherical polar pattern for round table discussions, teleconferences, studio and live recording. The robust housing is of a high-quality design and covered with very exclusive, dust repellent fabric. The matt, non-glare surface allows integrating the Classis BM 43 discretely into each installation. The integrated high pass filter reduces low-frequency noise from tables and other. The increase of the sound pressure at a boundary results in a higher gain, signal-to-noise ratio and comb filter effects cannot occur.

The Classis BM 43 is available in matt black or white.

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

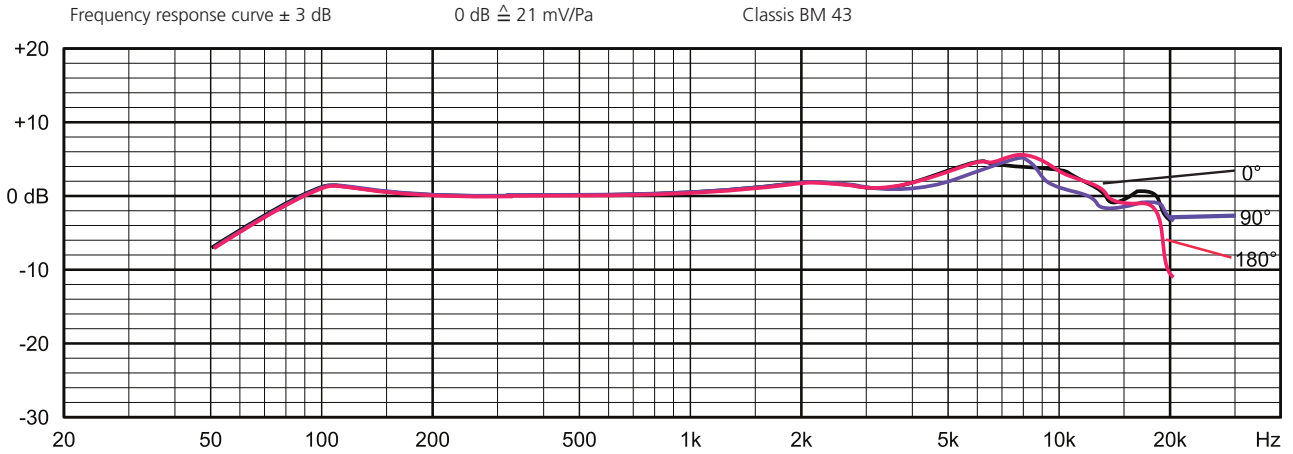
The microphone shall be a fixed-charge condenser designed for use in table or panel-mount boundary applications. It shall have a frequency response of 40 Hz to 20,000 Hz and an omnidirectional polar pattern. It shall have a built-in phantom power module and shall operate from an external 8V to 52V DC phantom power source. The filter in the microphone grille shall eliminate wind and pop noise. The RFI shield technology shall eliminate radio frequency interference of wireless communication devices. It shall be capable of handling sound input levels up to 124 dB with a dynamic range of 95 dB. Nominal open circuit output voltage shall be 21 mV/Pa at 1 kHz. Output shall be low impedance balanced (<200 ohms). The microphone shall have a maximum size of 86 x 61 x 21 mm (3.39" x 2.40" x 0.83"). Weight shall be 213 grams (7.51 oz). The microphone shall provide an unobtrusive full metal housing for discreet positioning. The steel mesh grille shall be covered by a fabric. Finish shall be non-glare mat black [white]. Rubber pads shall be mounted for reduction of mechanical noise transfer from the mounting panel. The microphone shall have a 3 metre cable, with bare end [3-pin male XLR connector].

Manufacturer: beyerdynamic
Type: Classis BM 43 B [W, BC]

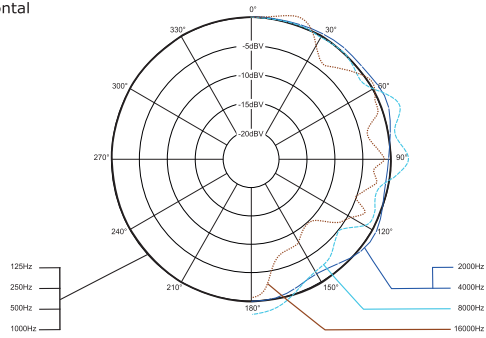
Classis BM 43

FREQUENCY RESPONSE & POLAR PATTERN

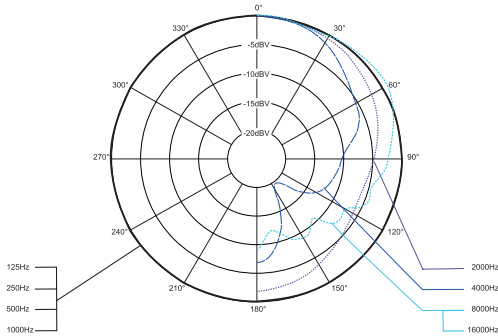
This frequency response curve (measuring tolerance ± 3 dB) and polar pattern correspond to a typical production sample for this microphone.



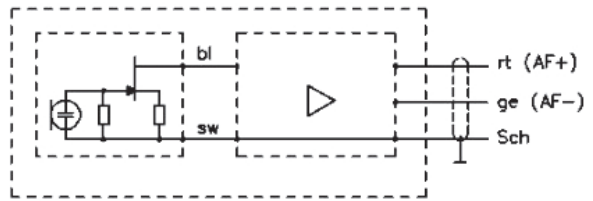
Horizontal



Vertikal



WIRING DIAGRAM



rt = red/rouge
ge = yellow/jaune
Sch = shield/blindage