

# Classis BM 53 USB

Boundary Microphone

Order # 729.469



## FEATURES

- Can be connected to computers via USB port
- RFI-proof due to Scudio™ technology
- ON/OFF, Push-To-Talk and Push-To-Mute function
- Silent film button with braille
- Flat, wide frequency response
- LED indicator
- Switchable bass roll off (150 Hz)
- Switchable gain -10 dB, 0 dB, +10 dB

## APPLICATIONS

The Classis BM 53 USB microphone is suitable for connection to computers via USB port. It is ideal for sound recording (music and speech), tele / video conferences, meetings, distance learning or round table discussions with a maximum of 10 participants.

The Classis BM 53 USB has a silent film button with braille. Depending on the application, you can choose between the operating modes ON/OFF, Push-To-Talk (PTT) and Push-To-Mute (PTM). In order to reduce low-frequency noise, the frequency response can be adjusted with a bass roll off switch of 150 Hz. The switchable gain of -10 dB, 0 dB and +10 dB is to compensate loud or quiet speakers and small or large distances between microphone and speaker. An LED indicator shows the ready-to-talk status.

The rugged housing with a high-quality design is covered with a very exclusive, dust repellent black fabric.

## SUPPLIED ACCESSORIES

Connecting cable with USB plug, 3 m [9.84 ft] long

## TECHNICAL SPECIFICATIONS

Transducer type. . . . .	Condenser (back electret)
Frequency response (linear). . . . .	40 - 20,000 Hz
Polar pattern. . . . .	Semi-spherical
Level compensation, switchable. . . . .	-10 dB, 0 dB, +10 dB
Bass roll off, switchable. . . . .	150 Hz (6 dB/octave)
Operating modes. . . . .	PTT, PTM, On/Off
Open circuit voltage. . . . .	-18 dBFS at 1 Pa/1 kHz
Dynamic. . . . .	73 dB(A)
Max. SPL. . . . .	112 dB
Supply voltage. . . . .	5 V via USB connection
Power consumption. . . . .	27 mA when in use, 12.5 mA in sleep mode
Connection. . . . .	USB socket, type B
Dimensions (L x W x H). . . . .	105 x 76 x 25 mm [4.13" x 2.99" x 0.98"]
Weight without cable. . . . .	155 g [5.46 oz]

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

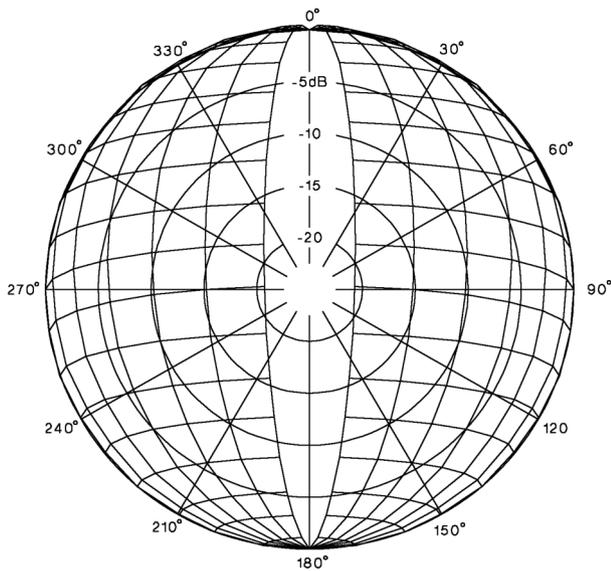
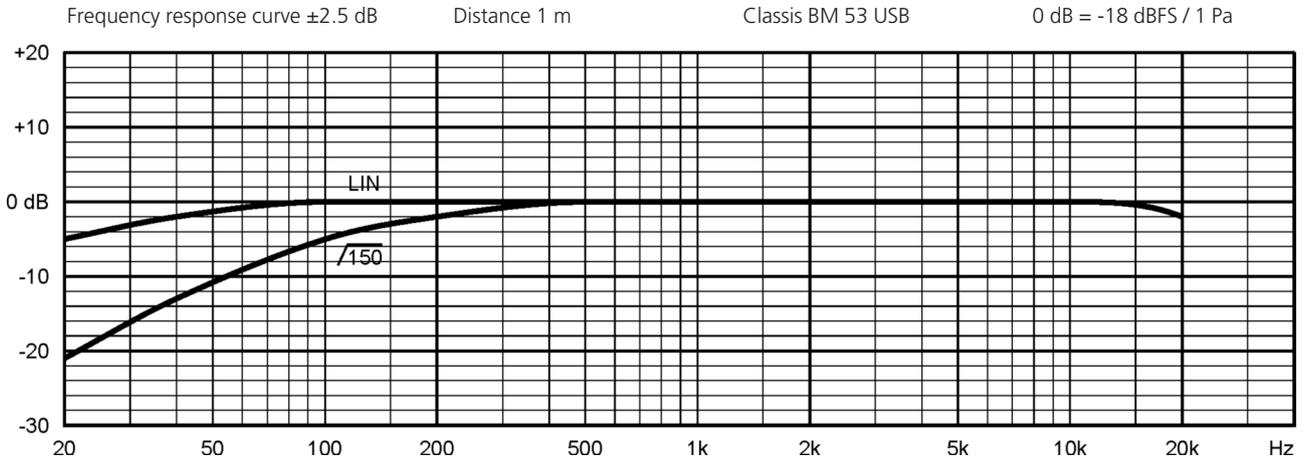
The USB condenser boundary microphone (back electret) with semi-spherical polar pattern shall be a high-quality conference and recording microphone. It shall be controlled by a micro controller. The integrated amplifier and power unit shall be provided with an analogue-digital transducer. The microphone shall be operated with a silent film button. A selector switch shall provide the operating modes ON/OFF, PTT or PTM. The bass roll off shall be switched to 80 Hz, 180 Hz or linear. An LED shall display the status. The phantom power shall be 5V via USB. A filter in the microphone grille shall eliminate wind and pop noise. The microphone shall feature a black plastic frame with black microphone grille and metal bottom. The microphone shall provide an USB type B connection. The detachable connecting cable shall be 3 m [9.84 ft] long and provided with an USB type B to type A connector. Soft rubber pads shall avoid vibrations. The delivery shall include a storage case. The frequency response shall be 40 Hz to 20 kHz. The dimensions shall be (LxWxH) 105x76x25 mm [4.13" x 2.99" x 0.98"] and the weight without cable shall be 155 g [5.46 oz].

Manufacturer: beyerdynamic  
Type: Classis BM 53 USB

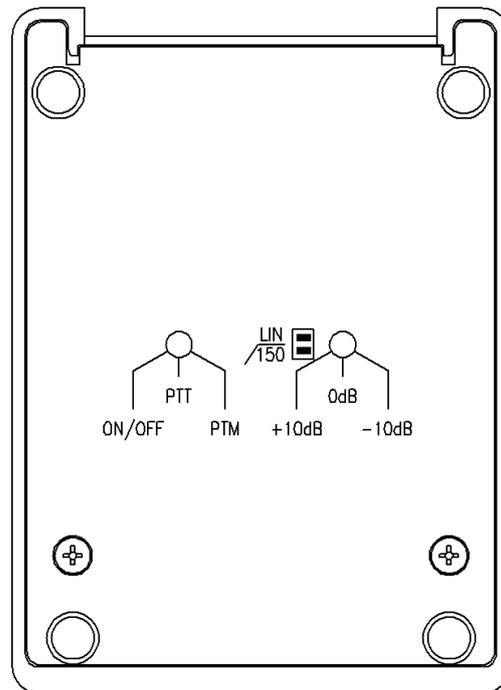
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## FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance  $\pm 2.5$  dB) and polar patterns correspond to a typical production sample for this microphone.



## BOTTOM VIEW



## REAR VIEW

