beyerdynamic

MC 834

Condenser Microphone

Order # 441.228

FEATURES

- High SPL capability
- Switchable 10 and 20 dB attenuation
- 2 position low frequency roll-off
- Internal elastic suspension

APPLICATIONS

The MC 834 condenser microphone features an extremely linear frequency curve and a frequency response of 20 to 20,000 Hz. Due to its cardioid polar pattern it has a high gain-before-feedback. Without pre-attenuation, the microphone has a SPL capability of 130 dB, with pre-attenuation up to 150 dB. It also offers a dynamic that cannot be reached by any digital recording system. The microphone has a balanced output and can be powered by phantom power between 12 and 48 V. The MC 834 condenser microphone is a universal studio microphone to be used for digital recording, both lead and back up vocals, voice-overs, miking of pianos, strings and brass instruments. It is also suited to the home recording artist.

SUPPLIED ACCESSORIES

EA 37	Elastic suspension	Order # 452.955

OPTIONAL ACCESSORIES

BMC 05 FM BLK	Microphone cable XLR-XLR, 5 m	Order # 434.787
BMC 10 FM BLK	Microphone cable XLR-XLR, 10 m	Order # 434.795
MSG 248.1	Power supply unit	Order # 100.943
WS 740	Windscreen, charcoal-grey	Order # 401.994
PS 740	Popscreen.	Order # 401.897
MAV 802	Multi-purpose mounting for two microphones	Order # 453.323

Pre-Attenuation Switching

To adjust for SPL levels in excess of 130 dB, a knurled pre-attenuation switch with indicator is provided on the front of the barrel and is rotated to show 0 dB (no attenuation), 10 dB (SPL's up to 140 dB), or 20 dB (SPL's up to 150 dB)

Low Frequency Roll-off Switching

To adjust for proximity effect or extraneous low frequency ambient sounds, a three position knurled switch with indicator is provided on the rear of the barrel and is rotated to show LIN (flat, with no roll-off), 80 (6 dB per octave roll-off below 80 Hz), or 160 (6 dB per octave roll-off below 160 Hz).

Germany
Theresienstr. 8
D-74072 Heilbronn
Tel. +49 (0)71 31 / 6 17-0
Fax +49 (0)71 31 / 617-224
E-mail: info@beyerdynamic.de
Internet: www.beyerdynamic.de

United States
56 Central Ave.
Farmingdale, NY 11735
Tel. +1 (631) 293-3200
Fax +1 (631) 293-3288
E-mail: salesUSA@beyerdynamic.com
Internet: www.beyerdynamic.com

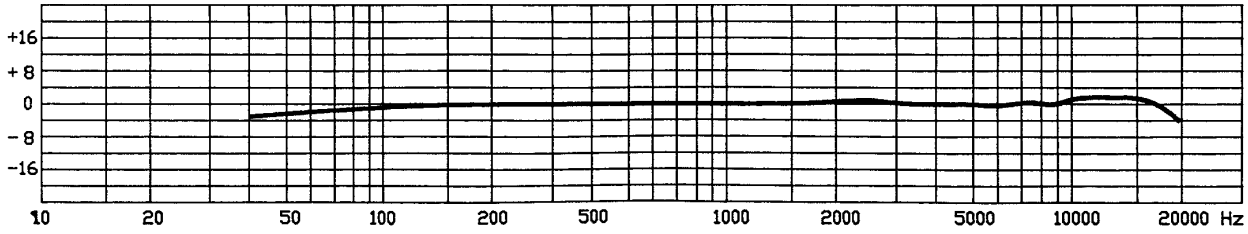
Great Britain
17 Albert Drive
Burgess Hill RH15 9TN
Tel. +44 (0)1444 / 258 258
Fax +44 (0)1444 / 258 444
E-mail: sales@beyerdynamic.co.uk
Internet: www.beyerdynamic.co.uk

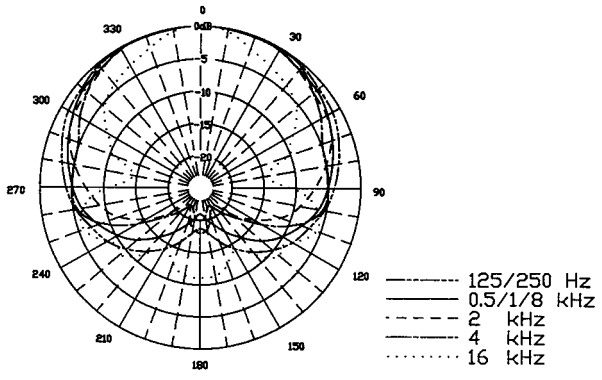
TECHNICAL SPECIFICATIONS

Transducer type	Condenser	
Operating principle	Pressure gradient	
Frequency response:	20 - 20,000 Hz	
Polar pattern	Cardioid	
Rear attenuation at 1 kHz	> 22 dB at 180°	
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	20 mV/Pa ± 2 dB = -34 dBV	
Nominal impedance	180 Ω	
Load impedance	≥ 1000 Ω	
Max. SPL at 1 kHz	130/140/150 dB	
Signal to noise ratio rel. to 1 Pa	approx. 69 dB	
A-weighted equivalent SPL	approx. 18 dB	
Supply voltage	12 ± 1 V to 48 ± 4 V phantom power	
Current consumption	approx. 4 mA	
Connection	3-pin XLR male	
Dimensions	Length:	165 mm
	Shaft diameter:	37 mm
	Head diameter:	70 x 52 x 33 mm
Weight without cable	290 g	

FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve (± 2 dB) correspond to a typical production sample for this microphone.





WIRING DIAGRAM

Positive pressure produces positive voltage on red lead (+) wired to pin 2 hot.