

MC 840

Condenser Microphone

Order # 482.838



FEATURES

- Large diaphragm, gold vaporised double membrane
- Five selectable polar patterns
- Elastic transducer suspension system
- Switchable 10 dB / 20 dB attenuator pad
- Two position low frequency roll-off

APPLICATIONS

The MC 840 microphone provides 5 switchable polar patterns for universal studio applications. It has been designed without compromise to capture every sound detail with absolute clarity and purity. Applications for the MC 840 include recording orchestras resulting in a superb transparent sound. Due to a switchable 2 position roll-off filter and a switchable pre-attenuation the MC 840 is also suitable for close miking of instruments.

SUPPLIED ACCESSORIES

EA 37	Elastic suspension	Order # 452.955
MKV 11	Microphone clamp with 3/8" internal thread, for shaft diameters of 32 - 42 mm	Order # 407.232
ZKK 740-833	Case	Order # 504.580

OPTIONAL ACCESSORIES

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m long	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m long	Order # 434.795
MAV 802	Multi-purpose mounting for two microphones.	Order # 453.323
PS 740	Pop shield, black	Order # 401.897
WS 740/834	Wind shield, charcoal-grey	Order # 401.994

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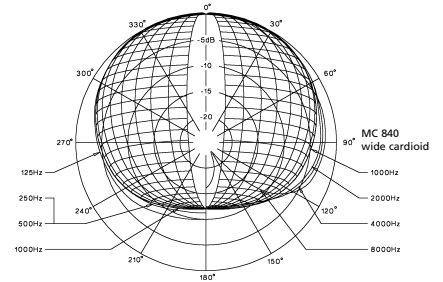
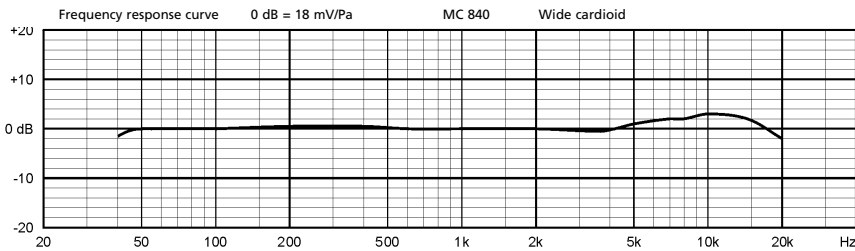
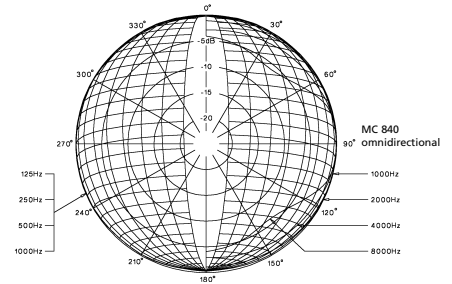
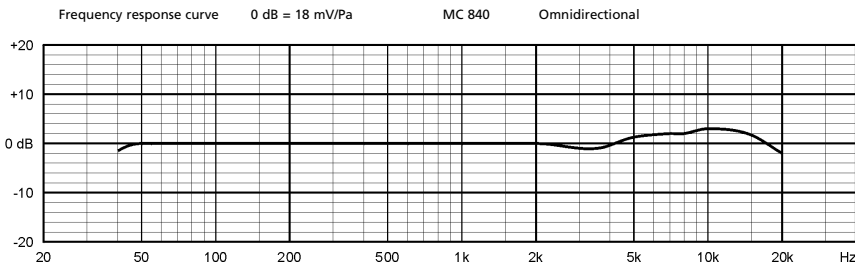
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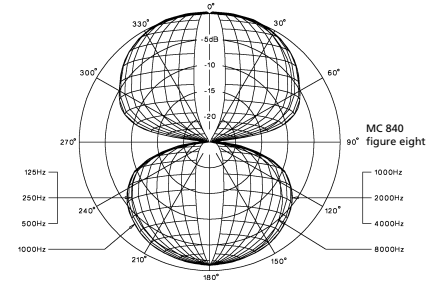
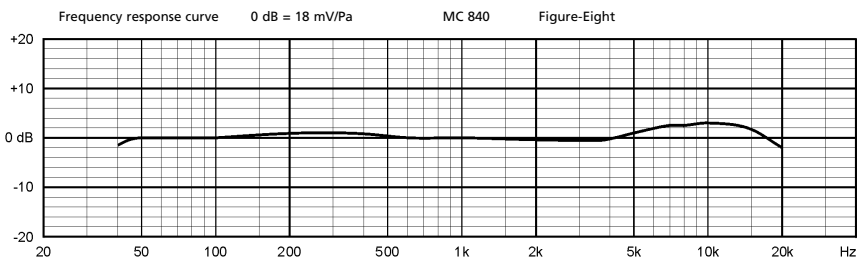
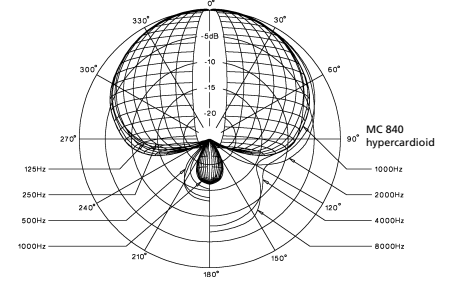
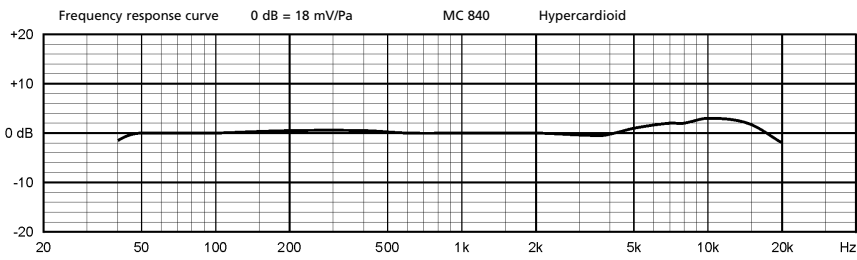
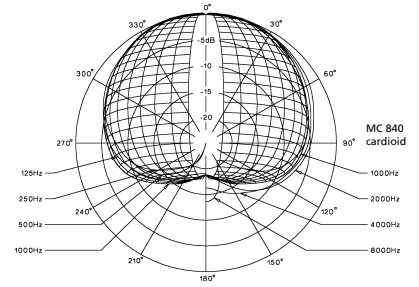
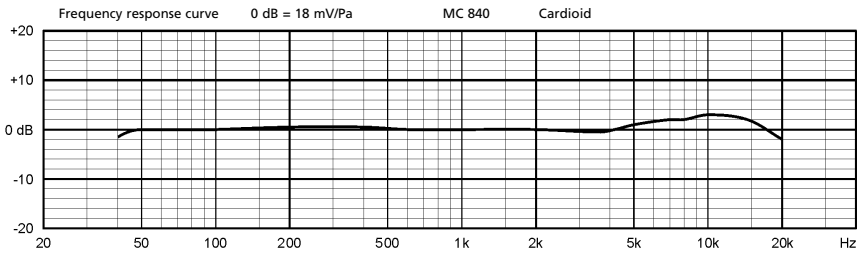
TECHNICAL SPECIFICATIONS

Transducer type	Condenser
Operating principle	Pressure gradient
Frequency response	30 - 20,000 Hz
Polar pattern	switchable: Omnidirectional Wide cardioid Cardioid Hypercardioid Figure eight
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	18 mV/Pa
Nominal impedance	180 Ω
Load impedance	1000 Ω
Max. SPL at 1 kHz	127 dB (without pre-attenuation) 137 dB with -10 dB pre-attenuation 147 dB with -20 dB pre-attenuation
Signal-to-noise ratio rel. to 1 Pa	approx. 70 dB
A-weighted equivalent SPL	approx. 17 dB
Power supply	11 - 52 V phantom power
Current consumption	4.6 mA
Low frequency roll-off	switchable, 6 dB/octave at 80 Hz and 160 Hz
Connector	3-pin XLR male Pin 1 = ground, Pin 2 = +, Pin 3 = -
Dimensions	
Length	165 mm
Shaft diameter	37 mm
Head diameter (L x W x H)	70 x 52 x 33 mm
Weight	286 g

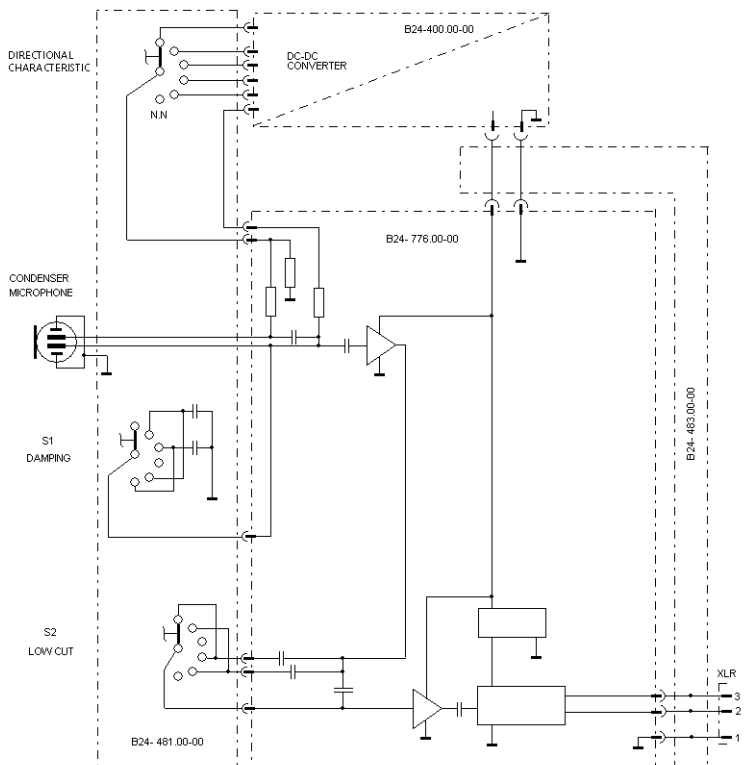
FREQUENCY RESPONSE & POLAR PATTERN

These frequency response curves (measuring tolerance ± 2.5 dB) and polar patterns correspond to a typical production sample for this microphone.





WIRING DIAGRAM



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