

Opus 81 Condenser Microphone

Order # 455.369



FEATURES

- Cardioid polar pattern
- Built-in footfall filter
- Excellent volume before feedback
- Internal shock mount reduces handling noise and vibration
- Rugged construction
- 12 - 48 V phantom powering

APPLICATIONS

The Opus 81 has been specifically designed to satisfy the critical demands of high-quality sound reinforcement and vocal applications.

Its frequency response and cardioid polar pattern provide musicians and sound engineers with maximum vocal clarity, intelligibility with excellent gain-before-feedback.

The Opus 81's sonic quality makes it an ideal choice for vocal applications in the studio yet its rugged construction makes it worthy of handling the physical punishment encountered during on-stage performances.

The microphone's weight-balanced and slim design allow vocalists maximum comfort during lengthy handheld performances, while its internal shock mount system dramatically reduces unwanted handling noise.

SUPPLIED ACCESSORIES

MKV 108 Microphone clamp for stands with 3/8" or 5/8" thread Order # 465.429

OPTIONAL ACCESSORIES

BMC 05 FM BLK Microphone cable, XLR-XLR, 5 m long Order # 434.787
BMC 10 FM BLK Microphone cable, XLR-XLR, 10 m long Order # 434.795
MSG 248.1 Power supply unit for balanced and unbalanced inputs, for 2 microphones . . Order # 100.943
MKV 6 Microphone clamp (clothes peg style clip) for shaft diameters of 19 - 32 mm . Order # 407.208
GST 400 Microphone stand, 3/8", height 0.90 - 1.65 m, with G 400 boom Order # 421.308
GST 500 Microphone stand, 3/8", height 0.85 - 1.60 m, with telescopic G 500 boom . . Order # 406.252
PS 81 Pop screen, charcoal-grey Order # 407.593

Germany
Theresienstr. 8
D-74072 Heilbronn
Tel. +49 (0)71 31 / 617-0
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

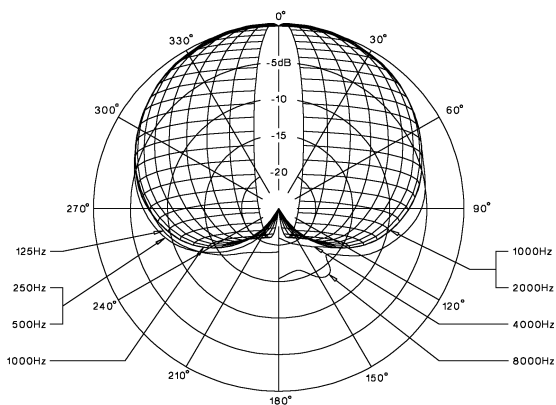
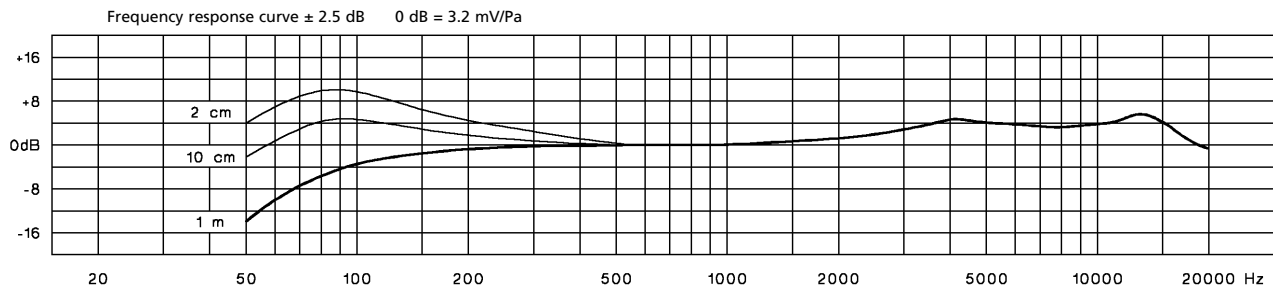
Great Britain
17 Albert Drive
Burgess Hill RH15 9TN
Tel. +44 (0)1444 / 258 258
Fax +44 (0)1444 / 258 444
E-mail: sales@beyerdynamic.co.uk
Internet: www.beyerdynamic.co.uk

TECHNICAL SPECIFICATIONS

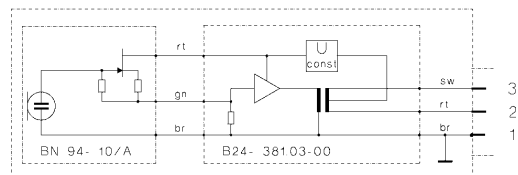
Transducer type	Condenser (back electret)	
Operating principle	Pressure gradient	
Frequency response	50 - 18,000 Hz	
Polar pattern	Cardioid	
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	3.2 mV/Pa \pm -50 dBV	
Nominal impedance	190 Ω	
Load impedance	\geq 1000 Ω	
Max. SPL at 1 kHz	138 dB	
Signal-to-noise ratio rel. to 1 Pa	60 dB	
A-weighted equivalent SPL	approx. 26 dB	
Power supply	12 - 48 V phantom power	
Current consumption	approx. 3 mA	
Connection	3-pin XLR male	
Dimensions	Length:	180 mm
	Shaft diameter:	23 mm
	Head diameter:	45 mm
Weight without cable	265 g	

FREQUENCY RESPONSE & POLAR PATTERN

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



WIRING DIAGRAM



rt: rot/red/rouge
 sw: schwarz/black/noir
 br: braun/brown/brun
 gn: grün/green/vert