



# 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.

### 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 $\hat{=}$ -50 dBV
Nominal impedance	190 $\Omega$
Load impedance	$\geq$ 1000 $\Omega$
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

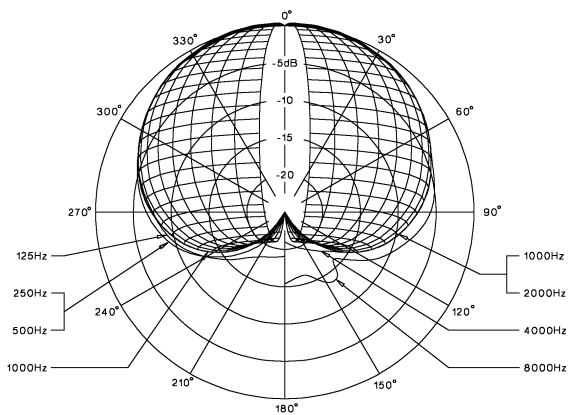
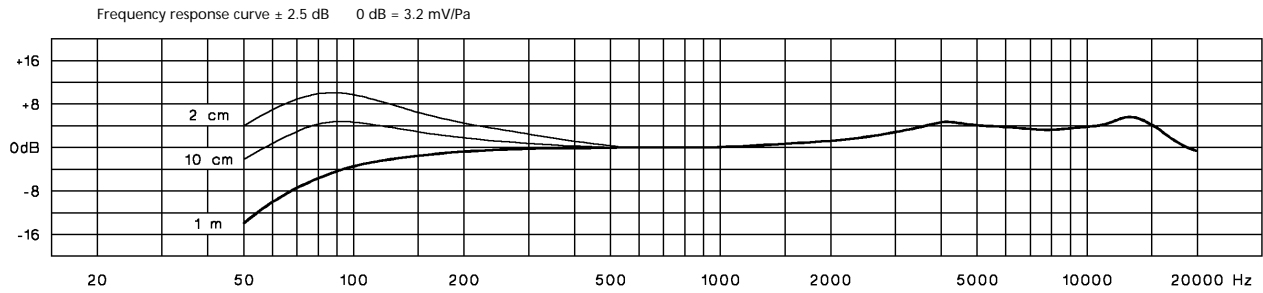
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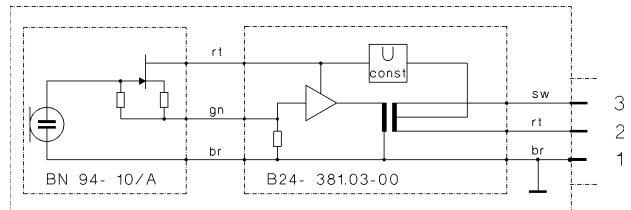
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## FREQUENCY RESPONSE & POLAR PATTERN

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



## WIRING DIAGRAM



## SUPPLIED ACCESSORIES

- MKV 8    Microphone clamp with 3/8" internal thread, for shaft diameters of 22 - 32 mm . . . . . Order # 407.216

## OPTIONAL ACCESSORIES

- 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