

Opus 83

Condenser Microphone

Order # 455.377



FEATURES

- Cardioid characteristic
- Excellent gain before feedback
- Wide range frequency response
- Rugged construction
- Slim profile

APPLICATIONS

The Opus 83 is a studio condenser microphone suitable for instrument miking. Employing back electret technology, its wide frequency response makes it ideal for all formats of recording. Its cardioid characteristics are similar to higher priced studio microphones and captures the sound required with the greatest of ease. Housed in a robust brass body, it easily withstands the rough and tumble of studio use.

SUPPLIED ACCESSORIES

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

OPTIONAL ACCESSORIES

WS 101 Wind shield, charcoal-grey. Order # 111.244

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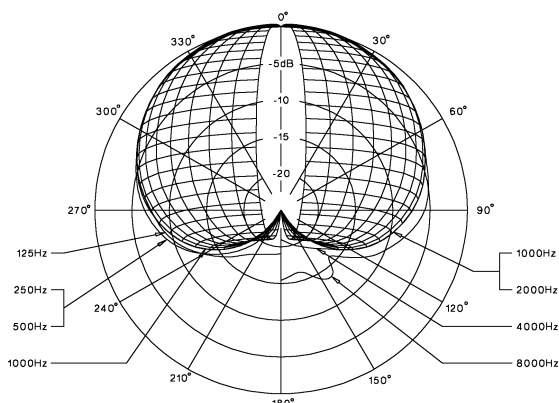
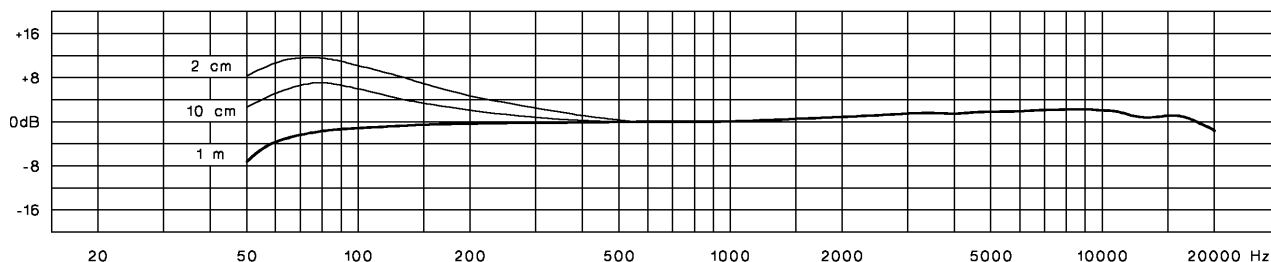
TECHNICAL SPECIFICATIONS

Transducer type	Condenser (back electret)	
Operating principle	Pressure gradient	
Frequency response	40 - 20,000 Hz	
Polar pattern	Cardioid	
Open circuit voltage		
at 1 kHz (0 dB $\hat{=}$ 1 V/Pa)	3.2 mV/Pa $\hat{=}$ -50 dBV	
Nominal impedance	190 Ω	
Load impedance	$\geq 1000 \Omega$	
Max. SPL at 1 kHz and THD $\leq 1\%$	138 dB	
Signal-to-noise ratio rel. to 1 Pa	60 dB	
A-weighted equivalent SPL	26 dB	
Supply Voltage	12 - 48 V phantom power	
Current consumption	approx. 3 mA	
Connector	3-pin XLR male	
Dimensions	Length:	146 mm
	Head/shaft diameter:	25 mm
Weight w/out cable	165 g	

FREQUENCY RESPONSE & POLAR PATTERN

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

Frequency response ± 2.5 dB 0 dB $\hat{=}$ 3.2 mV/Pa



WIRING DIAGRAM

Positive pressure produces positive voltage on pin 2.

