# **SM86 Cardioid Condenser Microphone**

### Overview

The SM86 is an award-winning, rugged cardioid condenser microphone with an extended high frequency response. Constructed with a three-point shock mount and a two-stage internal pop filter, the tailored frequency response of the SM86 delivers consistently smooth reproduction of lead vocals, even

#### **Features**

- Condenser cartridge for studio quality sound
- Tailored frequency response for a clear reproduction of vocals Rugged construction withstands the rigors of touring sound
- Cardioid polar pattern minimizes unwanted background noise Excellent choice for stage monitors and personal monitors
- Built-in three-point shock mount minimizes handling noise Two-stage pop filter reduces wind and breath noise

#### **Available Models**

SM86-LC	Includes stand adapter and zippered pouch

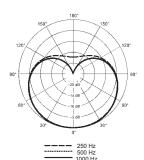
## **Specifications**

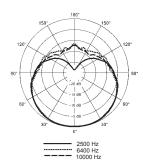
Туре	Condenser				
Frequency Response	50 to 18,000 Hz				
Polar Pattern	Cardioid				
Sensitivity (at 1,000 Hz)	Open circuit voltage: -50 dBV/Pa (3.15 mV) (1 Pa = 94 dB SPL)				
Impedance	$150\Omega$ at 1 kHz Recommended minimum load impedance: 600 $\Omega$				
Output Clipping Level	1000 Ω load at 1,000 Hz: +3 dBV (1.41 V)				
Maximum SPL (at 1,000 Hz)	1000 Ω load (1% THD): 147 dB				
Self-Noise	23 dB typical, A-weighted				
Dynamic Range (1000 Ω)	124 dB (maximum SPL to A-weighted noise level)				
Signal-to-Noise Ratio	71 dB at 94 dB SPL (IEC 651)* *S/N ratio is difference between 94 dB SPL and equivalent SPL of self-noise A-weighted				
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of the output connector				
Power Requirements	11 to 52 Vdc, 5.2 mA				
Case	Dark gray, enamel-painted, die-cast with a stainless steel grille				
Connector	Three-pin professional audio connector (male XLR type)				
Weight	284 g				
Dimensions	183 mm L x 49 mm W				

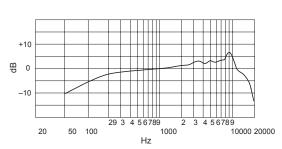
## **Optional Accessories and Replacement Parts**

A25D	Microphone clip	A55M	Shock stopper cip	A55HM	Shock stopper half clip
A85WS	Microphone windscreen	RPM226	Replacement grille		









Frequency Response

LEGENDARY PERFORMANCE™

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