

Product Specifications

PG81 Cardioid Condenser Instrument Microphone

Overview

PG81 Cardioid Condenser Instrument Microphone is a professional quality flat-response microphone designed to be used in sensitive acoustic instrument applications. With rugged durability and excellent sound, this versatile microphone comes with an on/off switch, swivel adapter, carrying pouch and choice of with XLR cable, or without. Phantom power or included AA battery required.

Features

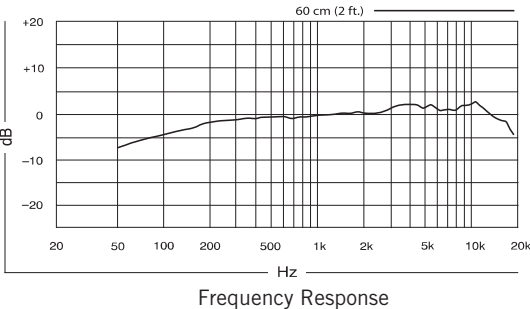
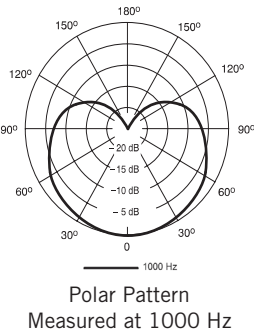
- Flat frequency response is wide and uniform. Consistent sensitivity through frequency range.
- Cardioid polar pattern picks up the most sound from in front of the microphone and some sound from the sides. Less susceptible to feedback in high volume settings.
- Condenser cartridge has a lightweight, sensitive diaphragm. Precisely and smoothly captures sound nuances.
- Powered by AA battery or phantom power supply.
- Internal shock mount for reduced handling noise.
- Durable metal construction.
- On/off switch for onstage control.

Available Models

PG81-XLR	Includes a 15 ft (4.57m) XLR to XLR Cable, Microphone Clip, 5/8" to 3/8" Thread Adapter, and a Storage Bag.
PG81-LC	Includes a Microphone Clip, 5/8" to 3/8" Thread Adapter, and a Storage Bag.

Specifications

Microphone Type	Condenser (electret bias)
Polar Pattern	Cardioid (unidirectional), symmetrical about axis
Frequency Response	40 to 18,000 Hz
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of microphone output connector
Output Impedance (at 1000 Hz)	600 ohms
Sensitivity (at 1000 Hz)	-48 dBV/Pa, (4.0 mV), 1 Pascal = 94 dB SPL
Electromagnetic Hum Sensitivity	-7 dB equivalent SPL in a 1 millioersted field (60 Hz)
Recommended Input Load Impedance	800 ohms minimum
Output Clipping Level (1 kHz, 1 % THD)	2000 ohm load 13 dBV (0.22 V) (phantom) -17 dBV (0.14 V) (battery)
Maximum SPL	2000 ohm load: 131 dB (phantom), 127 dB (battery)
Self-Noise (Equivalent SPL)	20 dB typical, A-weighted
Dynamic Range (maximum SPL, 2k ohm load, to A-weighted noise level)	111 dB (phantom); 107 dB (battery)
Signal-to-Noise Ratio	68 dB (IEC 651)* at 94 dB SPL
Power	Phantom Power Supply Voltage: 11 to 52 Vdc Current Drain: 2.0 mA max at 52 Vdc Maximum External Voltage Applied to Pins 2 and 3 with respect to Pin 1: +52 Vdc Reverse polarity protected to: 100 Vdc Battery Power Recommended: 1.5 V alkaline AA size (NEDA 15A) Life: up to 10,000 hour
Switch	Built-in On/Off switch
Case	Steel and brass construction with black painted finish
Environmental Conditions	This microphone operates over a temperature range of -29 to 57 degrees Celsius (-20 to 135 degrees Fahrenheit), and at a relative humidity of 0 to 95%.
Electromagnetic Hum Sensitivity	-7 dB equivalent SPL in a 1 millioersted field (60 Hz)
Weight	Net: 250 g (8.8 oz) less battery Packaged: 880 g (1 lb 15 oz)



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