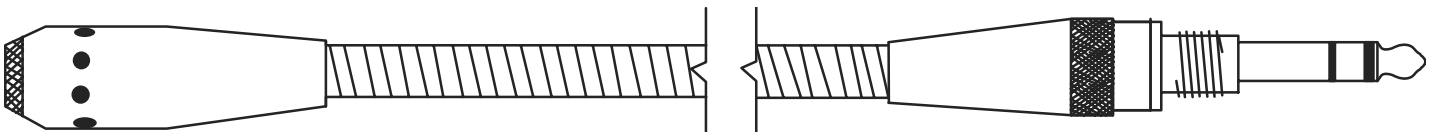


MCP-90 Gooseneck Mic



The MCP-90 series microphones are phantom powered, back-Electret, gooseneck microphones. The back-Electret feature provides greater sensitivity, wider frequency response, and superior immunity from handling noise than a diaphragm-Electret microphone. The removable windscreen provides pop filtering, response-shaping and overload protection to further enhance the acoustic performance of the microphone. The MCP-90 microphones are mechanically designed for quick, easy mounting to RTS keypanels and selected Audiocom intercoms. The frequency response is tailored for full-range sound reproduction with natural sound pick-up optimized for closeup use. The microphones are fitted with a threaded TRS male connector is compatible with RTS standard threaded TRS female connectors. The MCP-90 series is designed to be phantom powered with a wide voltage range of 1.5 to 9VDC.

Line Drawings



Specifications

Generation Element

Condenser, back-Electret

Frequency Response

100Hz to 15,000Hz

Polar Pattern

Cardioid

Open Circuit Voltage

4.5mV (-47dB)/Pascal @ 1kHz

Dynamic Range

102dB

Power Requirements

1.5 to 9VDC

Current Consumption

<500µA

Color

Non-reflecting black

Environmental Conditions

Relative Humidity 0–50%:

-29°C to 74°C (-20°F to 165°F)

Relative Humidity 0 to 95%:

-29°C to 57°C (-20°F to 135°F)

Mounting

Male threaded TRS

Dimensions

Knurled Stem to Head Length:

MCP-90-0: 0mm

MCP-90-8: 203.2mm (8")

MCP-90-12: 304.8mm (12")

MCP-90-18: 457.2mm (18")

Panel Microphone Connector Type

TRS, ¼ " phone jack with threaded female metal bushing

Pin Out

Tip: + Audio and Phantom Power (DC Bias)

Ring: Common

Sleeve: Chassis ground

Maximum Head Diameter

14mm (0.55in)

Gooseneck Diameter

6.4mm (0.25in)

Accessories Furnished

Specially designed windscreen to prevent microphone popping and distortion in normal operation.

Order Information

MCP-90-0 • MCP-90-0 • Flushmount Gooseneck Mic

MCP-90-8 • MCP-90-8 • 8" Gooseneck Mic

MCP-90-12 • MCP-90-12 • 12" Gooseneck Mic

MCP-90-18 • MCP-90-18 • 18" Gooseneck Mic

The specification information is preliminary and is subject to change without notification.
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