

### MCP-90 Gooseneck Mic

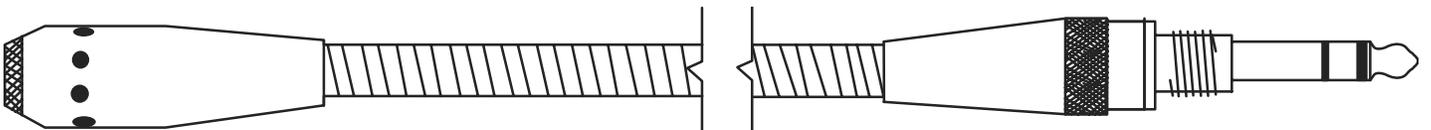
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The MCP-90 series microphones are phantom powered, back-Electret, gooseneck microphones. The back-Electret feature provides greater sensitivity, wider frequency response, and superior immunity from handling noise than a diaphragm-Electret microphone. 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

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## 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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