

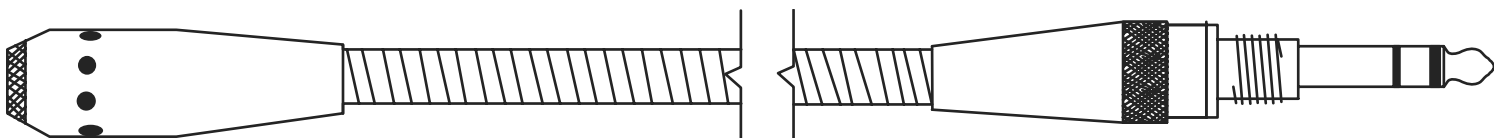


MCP-90 Gooseneck Mic

Features

The MCP-90 series microphones are phantom-powered “back-electret” miniature condenser 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 close-up use. The microphones are fitted with a threaded TRS male connector that 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 9 VDC.

Line Drawing



MCP-90 Specifications

Generation Element

Dual condenser, back-electret

Frequency Response

100 Hz to 15,000 Hz

Polar Patterns

Cardioid

Sensitivity,

Open Circuit Voltage

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

Power Level, 1 kHz (0 dB= 1 mW/ pascal):

-44 dB

Dynamic Range

102 dB

Output Impedance

Compatible with RTS keypanels

Power Requirements

1.5 to 9 VDC phantom supply

Current Consumption

<500 μ A

Color

Nonreflecting black

Environmental Conditions

Relative Humidity 0-50%:

-29° to 74°C (-20° to 165°F)

Relative Humidity 0 to 95%:

-29° to 57°C (-20° to 135°F)

Mounting

Male threaded TRS

Dimensions

Knurled Stem to Head Length:

MCP-90-3: 76.2mm (3")

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

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

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

Maximum Head Diameter

14 mm (0.55 in.)

Gooseneck Diameter

6.4 mm (0.25 in.)

Electronics Module Diameter

20 mm (0.79 in.)

Accessories Furnished

Specially designed windscreen to prevent overloading and distortion in normal operation.

Contact Information

Telex Communications, Inc.
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Burnsville, Minnesota 55337
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Form Number: 38110-335

Date: April, 2006

Ordering Information

MCP-90-0; Flushmount Gooseneck Mic; Catalog Number: MCP-90-0

MCP-90-8; 8" Gooseneck Mic; Catalog Number: MCP-90-8

MCP-90-12; 12" Gooseneck Mic; Catalog Number: MCP-90-12

MCP-90-18; 18" Gooseneck Mic; Catalog Number: MCP-90-18

This specifications information is preliminary and is subject to change without notification.

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