

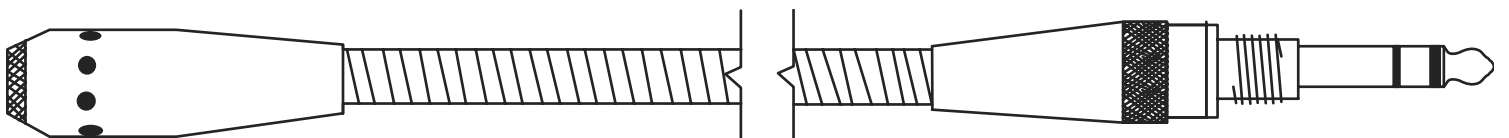


## MCP-90 Gooseneck Mic

### 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  $\mu$ 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.  
12000 Portland Avenue South  
Burnsville, Minnesota 55337  
Telephone: 877-863-4169  
Fax: 800-955-6831

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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