

RE92L



- Wide, Smooth Frequency Response
- Cardioid Polar Pattern
- 12 dB/Octave Switchable High Pass Filter
- Transformerless Differential Output to Drive Long Cables
- Includes Both Single and Dual Mic Tie Clips



The RE92L is a professional quality miniature cardioid, electret condenser lavalier microphone. It is designed for unobtrusive miking of speech and instruments, making it an excellent choice for use in many broadcast, stage performance, and presentation purposes. Its small size makes the RE92L ideal for theatre, interviews, public address systems, and houses of worship. The RE92L has a cardioid polar pattern for high gain before feedback. The RE92L condenser element provides clear and natural sound reproduction. The included two-stage windscreen minimizes wind noise and popping. The RE92L includes an inline module for connection to any standard microphone input capable of supplying 24 to 48 Volt phantom power. The RE92L comes supplied with 4 feet of cable, both single and dual tie clasps, and a belt clip for the inline module with a non-reflecting black finish.

Technical specifications

Generation Element:	Self-Biased condenser, back electret 2-micron thick, gold sputtered diaphragm
Frequency Response:	40 Hz to 20,000 Hz
Polar Pattern:	Cardioid
Sensitivity, Open Circuit Voltage, 1 kHz:	5.6mV/Pascal
Clipping Level (1% THD):	>135 dB SPL

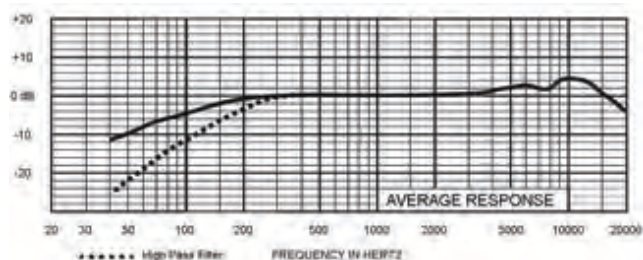
Equivalent Noise:	<30 dB SPL "A" weighted (0 dB=20 micropascals)
Dynamic Range:	>105 dB
Signal to Noise (RE: 94 dB SPL):	64 dB
Output Impedance, 1 kHz:	250 ohms
Power Requirements:	24 to 52 Volt Phantom Power
Current Consumption	6 mA typ. with P48 supply
Microphone Dimensions:	Diameter = 0.412 in (10.5 mm) Length = 0.948 in (24.1 mm), less strain relief
Inline Module Dimensions:	Diameter = 0.875 in (22.2 mm) Length = 5.350 in (135.9 mm)
Cable:	0.100 in (2.54 mm) diameter x 4 ft (1.2 m) long
Polarity:	Pin 2 positive, reference to pin 3, with positive pressure on the diaphragm
Accessories Included:	Two Stage Windscreen Single Tie Clip Dual Tie Clip Belt Clip for inline module
Color:	Nonreflecting black

Environmental Conditions:	Relative Humidity 0-50%: -29° to 74°C (-20° to 165°F)
	Relative Humidity 0-95%: -29° to 57°C (-20° to 135°F)

Net Weight: 5.6 oz (160 gram) with inline module

System overview

Frequency Response:



Application Notes:

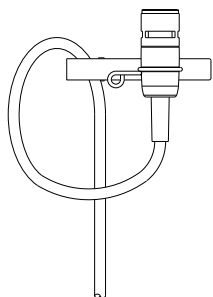
Using the Windscreen

This microphone includes a windscreen that can be used anytime wind noise or breath pop is a problem. To install the windscreen, simply press it on the top of the microphone. The windscreen has an internal frame that includes a stop, to help position the windscreen correctly. When installing the windscreen, make sure to push it down on the microphone as far as it can go. This ensures the frame inside the windscreen does not cover any of the acoustic side ports on the microphone.

Microphone Positioning (For Best Results)

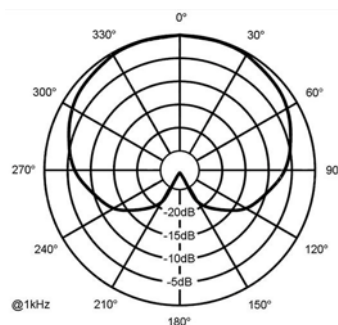
Best results are achieved with the mic positioned 3 to 6 inches below the neckline. Typical locations are on the lapel, shirt collar, or on the shirt directly below the chin. You should avoid covering the microphone with any cloth, since this could change the frequency response characteristics of the microphone.

If mechanical noise pickup from the cable is a problem, it can be minimized by looping the cable up and through the tie clip, as shown.

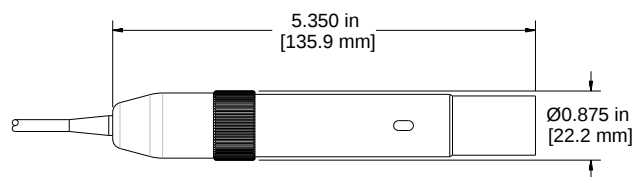


Cable Position with Tie Clip

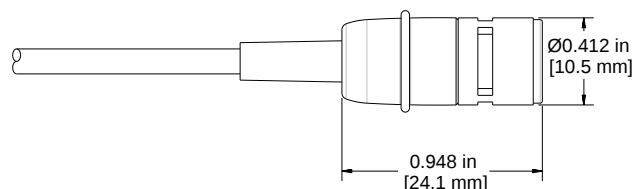
Polar Response:



Dimensions:



Inline Module Dimensions



Microphone Dimensions

Ordering information

RE92L

Premium Lavalier Microphone, Cardioid, XLR

Connector black

Order number **RE92L**

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