

SOUNDELUX E49 TUBE CONDENSER MICROPHONE



WHAT IS IT?: Soundelux of Hollywood, California, is known for its sonic recreations of the most famous vintage mics of the past. Continuing the company's commitment to hand made real world value, Soundelux restores the sound and performance of the original 50's era German tube 49 in the E49. The E49 is a variable pattern, internally shock mounted, outboard power supply tube microphone designed for vocal or critical distant applications. It does not need a big spider shock mount. This microphone is relatively flat compared to most Large Diaphragm Condensers and mimics the original 1950's response curve very well.

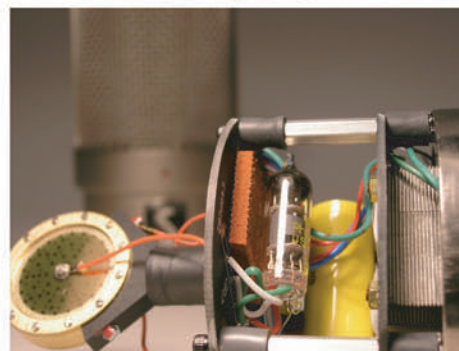
WHAT MAKES IT DIFFERENT? The tube E49 does not have the extreme proximity effect of the 47 or 251 (instead of +18dB it is about +12dB at 85Hz) or the rising top end of the C12 and most modern condensers. It does have an incredibly smooth midrange that is unique and impossible to replicate with any other microphone. This makes the E49 suitable for a span of applications that normally call for two different microphones such as a 47 and C12. Male vocalists with that special mied character really come through on the E49; the female with the smoky detail and harmonics of a lounge singer sound correct; the sound of a piano on stage or a drummer at distance sounds like it really sounds in real life. No other mic was as good as the tube 49 at getting smoothness across. this, perhaps, is why it has been the mic that defines jazz, such as Miles Davis "Kind Of Blue", which was made entirely with 49s.

HOW DO I USE IT? Use the E49 on vocals first and get used to the smooth nature of this mic with a complete top end that is not bright. Up close the mic is about warmth-- without getting too big-- due to its uniquely tuned proximity effect. We still see many original 49s on vocal duty in studios because other "go to" mics, such as 47s and 251s, get TOO big up close and lose midrange clarity. Darker voices come through well on 49s due to the even nature of its frequency response curve and hold up in dense mixes. Then try the E49 12 inches away on a larger source to get outside the proximity effect and listen to the very natural sound of this mic. It is realistic without adding artificial definition. A piano sound real-- you get bass, depth, and prominent mids without too much brightness. In front of a kick drum it is amazing. For applications of all kinds, the E49 is perhaps the most mic ever built.

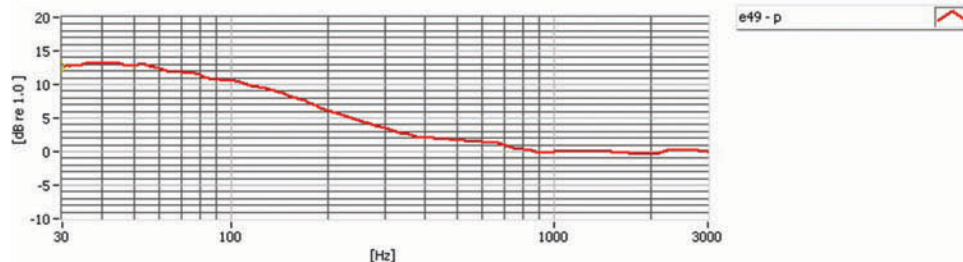
Specifications:

Patterns:	Omni through cardioid through figure 8, continuously variable from power supply
Frequency Range:	30Hz to 16kHz, +/-2dB
Sensitivity:	13mv/Pa (-37dB=94dB SPL)
Equivalent Noise:	19dB ("A" weighted) 30dB (unweighted)
Distortion vs.SPL @1kHz:	119dB = 0.5% THD 125dB = 1% THD 128dB = 2% THD (increasing distortion is non-exponential, nearly linear, and primarily 2 nd harmonic)
Impedance:	200 Ohms true transformer balanced
Recommended load:	1.2k Ohms
Dynamic range:	100dB
S/N (94dB-noise):	75dB "A", 64dB unweighted
Capsule size:	1" diameter, single backplate k47 type
Tube type:	New Old Stock EF732 sub-mini pentode
Dimensions:	3" dia x 6.25" oal (76x158mm)
Weight:	1lb 7.5oz (1.47lbs) =666g
Shipping weight:	12 lbs
Power Supply:	P99E true linear, factory wired for 115v or 230v operation.

System Includes 6 pin Tuchel cable, AC cable, wood box, spider shock mount, and shipping system.

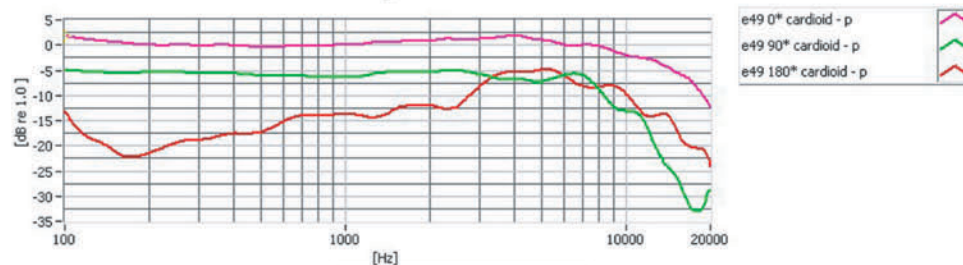


E49 Proximity Effect in Cardioid mode



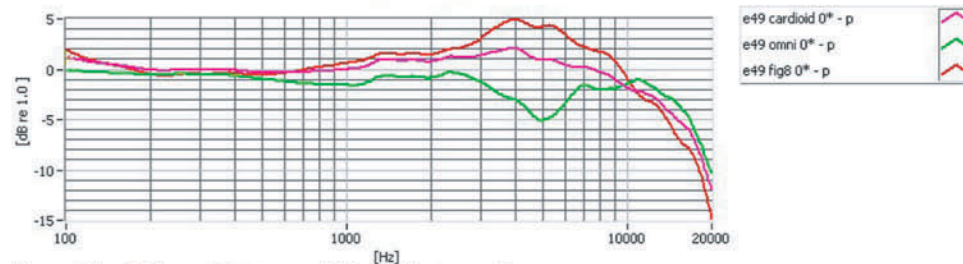
Soundelux E49 Maximum Proximity Effect 116dB peak SPL source 2cm from headgrille

E49 on/off axis response in cardioid



Soundelux E49 0, 90, 180 deg sens = 29mV/Pa distance = 1 meter

E49 multipattern frequency response



Soundelux E49 multipatterns, 0 deg. distance=1 meter

Soundelux Warranty: Three years, parts and labor, on all microphones and power supplies. One year parts on tubes.

For warranty service, contact your dealer

Soundelux Microphones 1147 Vine Street, Hollywood, CA 90038 Sales: (702) 365-5155