

SOUNDELUX E251C TUBE CONDENSER MICROPHONE



WHAT IS IT?:

One of the most popular Soundelux microphones, the ELUX251, is loved for the amazing sonic recreation of the legendary Telefunken ELA M251™. This uniquely high level of performance could not be found for under \$5500 until now, until the new **Soundelux E251C**.

WHAT MAKES IT DIFFERENT?

Starting with the same German ELUX capsule and basic circuit design, the Soundelux goal was to preserve as much of the ELUX251 cardioid sound as possible. Additionally, the E251C has a "brite/normal" switch which allows for standard ELUX251 type high frequency response or a relaxed high frequency response, essentially making this two mics in one! Furthermore, the E251C's output transformer has been selected to duplicate the intense deep bass of the ELUX but roll off the LF sooner (30Hz instead of 10Hz) making this mic friendlier to a wider variety of recording rooms.

Using a less expensive body and headgrille assembly and a power supply that has only one pattern, Soundelux realized significant savings over the standard ELUX251 manufacturing cost. Like the ELUX251, the E251C microphone has the important quality of a high frequency response that is not only present, but natural. This allows vocals to sound naturally dominant without being overbearing, to come forward without being obtrusive. It transforms the most intimate details of a vocal, maintaining its clarity even under stressful vocal situations, and doesn't fold or get harsh as the singer's intensity increases. The "brite/normal" switch adds to its versatility without sacrificing clarity. The 251 has been the most used vocal mic for decades and the E251C puts this sound in reach of a greater number of engineers and artists.

HOW DO I USE IT?

The E251C primary use will undoubtedly be female and male vocals. This is the sound of Mark Knopfler, Celine Dion, Gloria Estephan. However, do not be fooled into thinking of it as ONLY a vocal mic. The E251C also works great at distance where the dramatic proximity effect is reduced. In front of a drum set it sounds like you are standing there; stringed instruments of all kinds sound great, such as acoustic guitars, mandolin, violin, standup bass and as a main ensemble mic for chamber music and other complex harmonic structure instruments and groups.

Specifications:

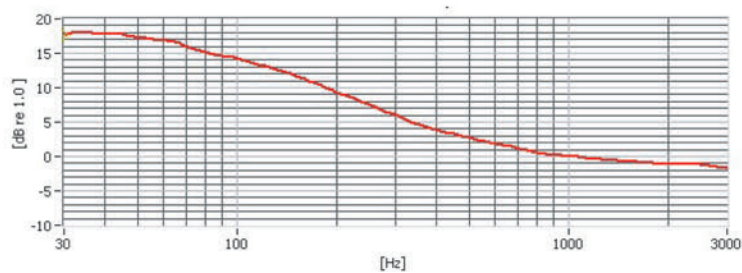
Patterns: Cardioid only
Frequency Range: 30Hz to 16kHz, +/-2dB
Sensitivity: 19mv/Pa (-34dBm=94dB SPL)
Equivalent Noise: 18dB ("A" weighted)
32dB (unweighted)
Distortion vs.SPL @1kHz: 112dB = 0.5% THD
118dB = 1% THD
129dB = 2% THD
(increasing distortion is non-exponential, nearly linear, and primarily 2nd harmonic)
Impedance: 200 Ohms true transformer balanced
Recommended load: 1.2k Ohms
Dynamic range: 94dB
S/N (94dB-noise): 76dB "A", 62dB unweighted
Capsule size: 1" diameter, dual asymmetrical backplate ck12 type
tube type: New Old Stock GES5670 triode
Dimensions: 2.04" dia x 8" oal (51x203mm)
Weight: 1lb 9.6oz (1.53lbs) =694g
Shipping weight: 12 lbs
Power Supply: Proprietary P251 true linear factory wired for 115v or 230v

Features:

- Brite/ Normal switch for amazing versatility
- Works well for all vocal or instrumental use
- Tuned to work in a variety of studio situations
- Transformer balanced output
- Handpicked, individually tested capsule
- Select "New Old Stock" GES5670 tube is readily available
- Low noise, low distortion

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

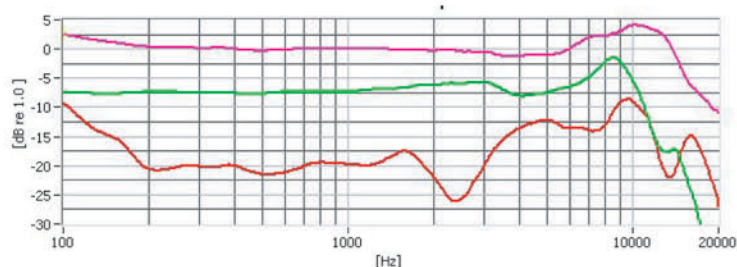
E251C Proximity Effect



E251C - p

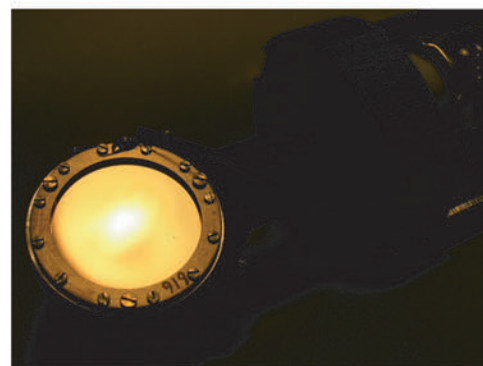
Soundelux E251C Maximum Proximity Effect 116dB peak SPL source 3cm from headgrille

E251C on/off axis response



E251C 0° - p
E251C 90° - p
E251C 180° - p

Soundelux E251C 0, 90, 180 deg sens = 20mV/Pa distance = 1 meter



The unique ck12 capsule

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