

LM 306 : Loudspeaker Multi Tester

Sine/sweep, Fo, |Z|, 40W power

Highlights

- * Low distortion continuous sine & swept frequency waveforms
- * Automatic Fo & |Z| measurements
- * Precision & stability of frequency generation
- * 40W rms (into 4 Ω) * digital level control * Line output
- * User settable limit for output voltage (for safety of low power speakers)
- * User settable acceptance limits for Fo & |Z|, Go, No-Go indication
- * LCD display for output signal's frequency, Voltage, Current, Fo & |Z|
- * Bar graph display (for Voltage)



Audiolec's LM 306 is a 3-in-1 instrument :

Automatic Fo & |Z| measuring instrument and Sine/Swept Frequency Generator for **Sweep Test** of loudspeakers, drivers, horns, Headphones. LM 306 can also be used as a powered Audio Signal Generator in testing audio circuits and devices like Crossover Networks, LMTs. Continuous sine frequency can be varied through either key pad or external rotary control. Output level is varied digitally through keypad. An external keypad is provided for convenience of operation.

A **20 x 4 backlit LCD display** shows values of output signal frequency, voltage or current level, Fo, |Z| as per function selected. A **Line Output**, max. 150mV, provides signal for feeding into any external amplifier.

Specifications:

Max Power Output	>40W rms into 4 Ohms load
Frequency range	10 Hz to 32 KHz
Output waveform	continuous Sine/ Swept Frequency
THD	< .1% @25W, 4 Ohms load, 1 KHz
Frequency accuracy	< .05% of displayed value
Vo (open circuit) accuracy	< (2% + .01V)
Operating Power	230V +/- 10%, 50Hz mains
Environmental	Operating temperature: 10° -50°C, Humidity<90% NC
Mechanical	Dimensions: 320(W)x110(H)x336(D) mm, Weight : 8 Kg.

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