

Speaker Design Tool

The knowledge of the impedance curve of loudspeakers is essential for the calculation and tuning of speaker cabinets. The audio generator Minirator and the audio meter Minilyzer ML1 manage this in the twinkling of an eye.

Test Set-up

All you need is a Minirator (MR2 or MR-PRO) and a Minilyzer ML1 plus an additional resistor R. The resistor value is based on the generator used as follows:

- MR-PRO: 1.6 kOhm
- MR2: 1.4 kOhm



The Minirator generates a swept sine wave signal with a level of 1.6 V.

The level measured by the ML1 can be interpreted directly as impedance: 1 mV = 1 Ohm

Remark: This is a linear measurement. The logarithmic level units dBu and dBV are not used for this measurement.



