



The OS002 Omni Sound Source and SWA100 Power Amplifier are an ideal match for frequency response measurements, including acoustic reciprocity and the Maximum Length Sequence (MLS) method.

## OS002

The OS002 Omni Sound Source uses 12 matched loudspeakers in a dodecahedral configuration. This achieves a spherical distribution pattern satisfying ISO 140-3 and ISO 3382 requirements. When connected to the SWA100 Power Amplifier, the OS002 can deliver the remarkable output power of 115 dB.

All 12 specially selected speakers are connected in a series-parallel network to ensure both in-phase operation and matching impedance to the SWA100 Power Amplifier. The speaker enclosure is all metal providing a rugged, solid construction resulting in high acoustic performance. The OS002 is compact and less than 12" (30 cm) in diameter. With its high output power, it's an ideal choice for sound insulation, acoustic reciprocity, and many other sound source measurements.

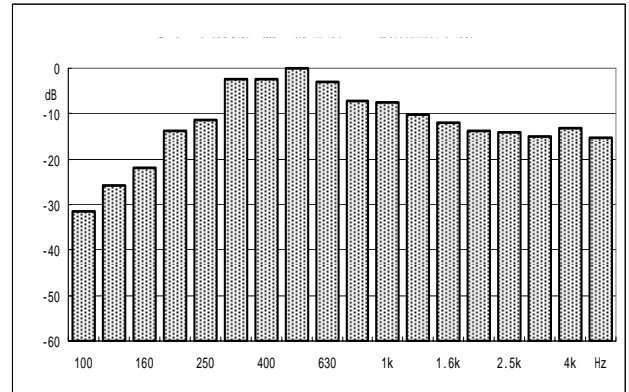


Figure 6: OS 002's Pink Noise Frequency Response at 1/3 Octave

## SWA100

The SWA100 Power Amplifier produces an amazing 100W per channel at 8Ω, for its incredibly compact size and low weight. It has the same features and protection circuits normally found only in more expensive, larger, and heavier amplifiers. Its two channels can be used independently of each other and uses BNC connectors for input signals. The SWA100 is specially designed to use passive cooling removing the need (and noise) of a cooling fan.



OMNI-SOUND SOURCE OS002	
Standards	ISO130-3; ISO3382; DIN52210
Nominal Impedance	6 Ω
Power Handling	200W continuous
Frequency Range	125 ~ 4000 kHz
Sound Power Level	115 dB Pink Noise
Connector	Audio Connector
Loudspeaker Units	4" Diameter; 8 Ω; 25 W
Diameter	300 mm
Weight	10 kg
Carrying Dimensions	Case 320 x 320 x 320 mm <sup>3</sup>
POWER AMPLIFIER SWA100	
Audio Power	100 Watt.
Power Supply	220 V
Dimensions (including Case)	495 x 430 x 150 mm
Weight	12 kg

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