

OMNIDIRECIONAL NOISE SOURCE OMNI12



The noise source OMNI12 is an omni-directional noise source made of 12 speakers mounted into a dodecahedric set-up. With the power amplifier POWER12, it can generate high sound levels to characterize most noise rooms, etc.

The source OMNI12 is integrated into a robust Flight Case for easy transportation and use on the field. The power supply of the system is done through a built-in battery pack.

Technical Specifications – OMNI 12

Standard: UNI EN ISO 140-3 ISO 3382
 Nominal Impedance : 3 +3 Ohm
 Sound Power: 350 W
 Frequency range: 70Hz - 16KHz
 Sound Power level: 108 dB at 1m (LW 119dB)
 Conections: 1 x Neutrik Speakon 4 poli
 Suporte: retractable telescopic mast
 Speakers: 12 x 5" bicono
 Diameter: 50 cm
 Weight: 18 Kg
 Accessories: case, remote control

Technical Specifications – POWER 12

Output Power: 200 Watts RMS@ 4 Ohm
 Instant Power: 480 Watts RMS @ 4 Ohm
 Speaker protection: thermal, short-circuit, over current, over signal
 Pass band: 10Hz - 25KHz
 Output Impedance: 4 - 8 Ohm
 Channel separation : > 100 dB typical
 Harmonic Distortion: THD + N: 0,1 % max
 SNR: 92,5 dB typical
 Intermodulation Distortion IMD: 0,004 % max
 Slew rate SR: 19 V/μs
 Generator: White and Pink Noise
 Weight: 19 kg

TAPPING MACHINE CAPELSTONE



According to D.P.C.M. 5/12/97 and ISO140 specifications

Calpestone is a standardized tapping machine that allows to evaluate impact noise insulation according to the international standard serie ISO140.

The unit uses 5 hammers (mass of 500grams each), falling from a height of 40mm.

The frequency of the impact is 10Hz (10 shocks / second).

Each hammer is controlled within the unit by an electric motor with a special transmission that allows to obtain a uniform movement. This mechanism is protected by a metallic structure with a viewing window to check the correct alignment of each hammer.

A water level is included as well to check the perfect horizontal alignment according to the requirements of the ISO standards.

The tapping machine has rubber feet. Batteries are internal, and power supply is included.

A wireless remote control allows to operate the tapping machine at a distance.

