



Alfa Acoustic Omni-directional sound source is designed to measure RT, sound transmission loss measurements in Lab or On-site. This omni-directional source consists of 12 lightweight high-wattage loudspeakers connected in series and parallel.

The shape of this sound source makes it special, as all speakers are mounted on a dodecahedral housing. This ensures a complete omni-directional radiation diagram dodecahedral housing. This ensures a complete omni directional radiation diagram

This omni-directional sound comes with a special power amplifier designed to deliver required power output to omni-directional sound source for generating sound pressure levels more than 120 dB.

Technical Specifications

Size	375 x 375 x 375 (mm)
Weight	Approx. 8 kg & 10 kg for Power Amplifier
Frequency Range	50- 5000 Hz
Test Standards	ISO 10140, ISO 354, ASTM E90, ASTM C423, ISO 3382
Sound Pressure Level	120-125 dB
Noise Type	White Noise, Pink Noise
Nominal Impedance	6 Ω

Applications

- Measurement of sound insulation in buildings and of building elements ISO 10140-2, ISO 140-4, ISO 16283-1
- Measurement of the reverberation time of rooms ISO 3382-1/-2
- Measurement of sound absorption in a reverberation room ISO 354 / ASTM C423
- Measurement of Noise Insulation Class (NIC)
- Measurement of Sound transmission loss in Reverberation chamber as per ASTM E90

Input and Output Connections

Sound Source signal output	4-pin Speakon Connector (+1, -1)
Line signal output	XLR male (unbalanced)
USB Port	USB 2.0
Wireless communication	Bluetooth, range 70 m
Remote control communication	Radiofrequency, range 25m
Signal to Amplifier	USB, SD, MMC, Bluetooth, Mono Connector

