



AVX2 Clinical Diagnostic Audiometric Booth

Specifications

The AVX2 audiometric booth is designed and manufactured to meet all relevant SANS and ISO standards for Diagnostic audiometric enclosures. All materials used in the construction of the product are of the highest quality and comply with the recommended SANS and ISO standards for acoustic dampening; sound absorption and fire resistance/retardation.

Materials/Panels

All panels are manufactured in accordance with ISO 9001.

All panels are manufactured from 2mm powder coated sand paper finish, structured mild steel panels. The panels are 100mm in thickness, Insulation is provided by a 5 layer insulation and absorption barrier. High density polyurethane or mineral wool provides excellent acoustic & thermal properties and is used as core absorption material. In addition the inner and outer surfaces consist of modular pre-painted structured metal sheets. Fire resistance ratings have been obtained in compliance with EN 13823 and SANS 10177 fire rating standards.

Floor

A height and pitch adjustable anti-vibration platform is fitted as base to provide a stable and level platform for the floor. The floating floor is mounted to the antivibration platform and isolated by industrial strength insertion rubber inlays. The floor is carpeted with a thick sound absorptive carpet to further enhance the acoustic dampening qualities of the floor section.

Roof

The roof and multi-configurable side panels and door are constructed to provide maximum acoustic absorption by means of a 5 layer acoustic barrier. The ventilation system comprises of and acoustically designed attenuated maize and an ultra silent forced induction and extraction ventilation fan system to provide a continuous low noise air exchange inside the booth.

Door

The door opener consist of a stainless steel handle on the outside and the door can be opened 180 degrees from the inside pushing it outwards. Three heavy duty hinges allow the door to open 180 degrees opening from left to right facing the booth from the outside.

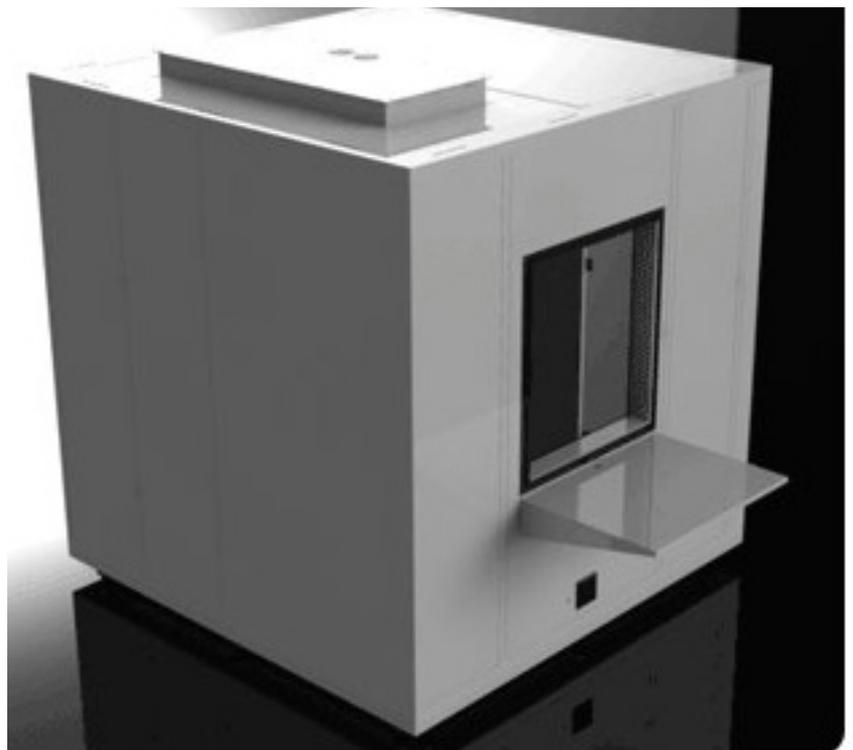
Door Seal

The door is fitted with a stepped type door seal comprising of two opposed 15mm magnetic compression seals.

Window

Two thick safety glass panels are fitted into a black sand paper finished powder coated frame to provide maximum sound absorption. The window frame is installed on a frictionless anti-vibration platform to minimize energy transfer.

The window size is 710mm wide and 810mm high providing an excellent observation platform for audiometric and electrophysiological tests.



Electrical

Alvex 1,5mm 2 core +E is used for all connections and a 5m lead including a 3 pin IS Amp socket and plug is included. All electrical connections comply with SANS specifications for indoor electrical appliances (single phase) to provide a safe testing environment. An internal and external 15 Amp single wall socket is provided for electrical supply to equipment.

Lighting

Two flush mounted incandescent light binnacles provide ample interior lighting.h.

Booth Connection Sockets

The booth is supplied with multi port stereo patch panel and cable interconnection tray in close proximity to the work platform.

Seating

Depending on customer needs we offer either a chair or an adjustable examination couch as an optional extra.

Paint

A sandpaper white powder coating finish is used to enhance the appearance of the booth rounding it off with a black window frame.

Installation

Four ultra heavy duty rubber casters are fitted below the floor panel ensuring ease of mobility. The design of the booth allows for easy fitting through a standard sized door. After installation the booth is ready for use within minutes.

Installation

Ultra heavy duty individually adjustable insulated feet are fitted below the floor panel providing a stable anti-vibration platform and base for the multiconfigurable side panels and roof.

All frames are anufactured with extreme accuracy and tolerances of +- 1mm to enhance the sound dampening capabilities of the acoustic booth. Side panel flanges hold the panels in place and all panels are secured and tightened by bolt down mechanisms on floor; roof and side panels.

The design of the booth allows for easy installation within a room with minimum floor space requirements of 3 meters x 4 meters. All panels fitting through a standard sized door. After installation the booth is ready for use within minutes

Guarantee

5 year structural guarantee.

External Dimensions	Length	975mm
	Width	735mm
	Height	1917
Internal Dimensions	Length	850mm
	Width	610mm
	Height	1720mm
Mass	±350kg	