

## AVX1 Industrial Audiometric Booth



The **AVX1 Audiometric Booth** is engineered and constructed to comply with all relevant SANS and ISO standards for screening audiometric enclosures. Each component is made from high-quality materials that meet strict requirements for acoustic performance and safety.

### Materials and Panels

- **Construction Standards:** All panels are manufactured according to ISO 9001 standards.
- **Core Material:** High-density polyurethane or mineral wool is utilized, providing exceptional acoustic properties.
- **Surface Finish:** The inner and outer surfaces consist of powder-coated metal sheeting, ensuring durability.
- **Fire Resistance:** The booth meets fire resistance ratings in compliance with EN 13823 and SANS 10177 standards.
- **Panel Specifications:** Panels are constructed from 2mm powder-coated mild steel, incorporating five layers of sound-dampening materials for optimal acoustic insulation.



Technical Specifications	External Dimensions	Internal Dimensions	Mass
Length	975 mm	Depth: 850 mm	Approximately 350 kg
Width	745 mm	Width: 620 mm	
Height	1917 mm	Height: 1720 mm	
Vibration and Mobility			
Anti-Vibration Platform	Covered with thick carpet for sound absorption.		
Caster Wheels	Rubber-coated high-strength industrial wheels for enhanced vibration dampening.		

<b>Roof and Ventilation</b>	
Ventilation System	Acoustically designed attenuated maze and ultra-silent ventilation fan.
<b>Door Features</b>	
Design	Stainless steel handle; opens 270 degrees outwards with three heavy-duty hinges.
Sealing	Double 15mm magnetic compression seal.
<b>Windows</b>	
Material	Two 6.3mm thick safety glass panels
Frame	Black structured powder-coated finish
Size	500 mm wide x 550 mm high
<b>Electrical and Lighting</b>	
Wiring	Alvex 1.5mm <sup>2</sup> 2-core +E for all connections
Lead	3m lead with a 3-pin ISA socket and plug
Lighting	Energy-saving 8W cool white strip light
<b>Work Platform (Optional)</b>	
Countertop	600mm x 800mm countertop for positioning audiometric equipment.
<b>Booth Connection Sockets</b>	
Audio Connections	Five stereo-connected jack plug sockets located near the work platform.
<b>Seating</b>	
Chair	Comfortable built-in chair spanning the width of the booth.
<b>Finish</b>	
Aesthetic	Structured white powder coating with a sleek black window frame.
<b>Installation</b>	
Mobility	Four ultra-heavy-duty rubber casters for easy transport.
Installation	Fits through a standard-sized door; ready for use within minutes.

Acoustic Performance	Frequency (Hz)	Noise Reduction (dB)
Attenuation	Provides effective noise reduction, measured in accordance with SANS 10182.	
	125	19.9
	250	24.0
	500	29.0
	1000	41.1
	2000	49.0
	4000	55.5
	8000	52.3

### Guarantee

- The AVX1 Audiometric Booth comes with a **5-year structural guarantee**, ensuring long-term reliability and performance.

### Examples of installations done:



