

# AB - 3201

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## AUDIOMETRIC BOOTH CONSTRUCTION



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

## ►► **Technical Specification**

- The Audiometric Booths are modular in construction.
- Outer Panel Surface 1.6 mm CRCA Sheet
- Acoustic board 12mm thick.
- Acoustic Panels are 102 mm (4") Thick with an average weight of 50Kg/m<sup>2</sup>.

## ►► **ACCOUSTIC FELT**

- For floors, walls, door and roof panels shall be sound retardant, absorbing, inert, and Mildew resistant and Vermin proof. Heat transfer factor shall be no more than 0.397 Wm C.
- High Density, Asphalt Free, Visco-Elastic, Sound Block Membrane to be applied for Sound Proofing in floor & Panel.
- 4mm Thick SoundBloc Layer
- 4mm thick Nitrile Acoustic Foam
- Covering with fire proof tissue paper.
- Windows shall be 750mm x 600mm (sizes may vary in some orientations) using 9 mm thick class contained within a 'pressure-sealed' aluminum trimmed frame.

## ►► **ELECTRICAL**

- All booths are provided with lighting operated from an adjacent switch. Power operation 240V, 50Hz.
- Provided four surface mounted 13 amp socket outlets beneath the window within the control Room power operation: 240v, 50Hz.
- 12Watt x 1 Nos. fluorescent ceiling Recessed lights operated from adjacent switch.
- Room shall be provided with the SBE silenced forced ventilation system (Low Noise Fan) Integrated into the ceiling panel.

## ▶▶ JACK PANEL

- A jack panel consisting of nine, 6.4 mm three-pole jack sockets shall be provided below the window. This jack panel shall be designed and installed to preserve the acoustic integrity of the booth.

## ▶▶ DOOR CONSTRUCTION

- One 604 mm wide X 1680 mm high (clear opening) for complete safety and effective Acoustic Control, Compression Neoprene seals are mounted on the top, bottom and sides of the door leaf. Outer face fabricated out of 1.6 mm CRCA steel sheet. Inner face 0.7 mm perforated GI sheet & 1.2 mm thick steel framing

## ▶▶ COROSION RESISTANCE

- Zinc passivity hardware is used to avoid rusting.
- All Audiometric Room are Supplied with polyester 70 micron powder coated color: RAL 9002 Grey /white. Floor covered in an anti-static carpet, color: Blue Blush or Client choice

## ▶▶ DIMENSIONS

- Outer Dimensions: 5FEET (L), 5FEET (W), 8 FEET (H)
- Inner Dimensions: 4FEET (L), 4FEET (W), 7 FEET (H)

## ▶▶ PERFORMANCE SPECIFICATION

Frequency	63	125	250	500	1 KHz	2 KHz	4KHz	8KHz	
Db (A)	33	31	39	50	57	61	68	62	NIC 51
Sound Absorption Coefficient	0.38	0.94	1.19	1.11	1.06	1.03	1.03	1.04	NRC 0.95

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