

250 Series Mini Audiology Booth

a proven, low-cost solution for industrial audiology



- IAC's best selling booth
- Complies with ISO 8253-1 : 2010
- Supplied fully assembled or in 'kit' form
- Fitted with castors for complete mobility
- Left hand or right hand door option
- BS EN ISO 9001/14001 quality registered
- Sensor operated LED lighting and ventilation system

250 Series Mini Audiology Booth

The 250 Series Mini Sound Shelter provides a controlled acoustic environment in which hearing screening can be undertaken efficiently at low cost, whilst complying with ISO 8253-1 : 2010. Its compact design allows it to pass easily through any standard doorway and fitted castors make it completely mobile. Equipped with its own ventilation system, lighting, seat, shelf and jack panel (for connection to an audiometer) it is ready to use within minutes of delivery.

Dimensions

	W (mm)	D (mm)	H (mm)
Outside Dimensions	710	981	1943
Inside Dimensions	604	860	1680

Weight: 295kg net, 322kg shipping weight.

Construction

IAC 53mm thick Noishield® panels - plain galvanised steel exterior surfaces and perforated galvanised steel interior surfaces.

Door

One 604mm wide x 1680mm high (clear opening) IAC Noise-Lock® door. For complete safety and effective acoustic control, self-aligning magnetic compression seals are mounted on the top, bottom and sides of the door leaf.

Window

One double glazed unit comprises 6mm thick safety glass fitted in aluminium frames; clear view 750mm high x 600mm wide. The lower portion of the window has a frosted section.

Ventilation

Ceiling panel contains a 12 volt IAC TranquilAire® all-in-one silenced ventilation system.



Jack Panel

Completely pre-wired, flush-mounted jack panel consists of nine 6mm 3 pole sockets & one USB connection.



Lighting

LED maintenance free, ceiling recessed light, 12 volt.

Shelf (external)

Folding shelf for audiometer, 680mm long x 450mm deep.

Seat (internal)

Fixed moulded bench seat, 450mm deep, colour black.

Electrical

A 3000mm long drop cord complete with mains/12 volt transformer is provided for connection to a 220/240v mains power point.

Floor

Foam-backed carpet, colour Black.

Paint Finish

White polyester powder paint, RAL 9010 matt. Exterior and interior.

Installation

Booth is supplied pre-assembled, finish decorated and ready for use. Also available in kit form where access is difficult for an assembled unit.

Optional Equipment

(Additional costs apply)

- (a) Anti-vibration mounts
- (b) Alternative wired jack panels
- (c) Alternative paint colours

Data

Preferred Octave Band Centre Frequency, Hz							
63	125	250	500	1k	2k	4k	8k
Maximum External Sound Pressure Level, SPL _{max} (dB)							
55	51	50	57	72	75	81	73

Appropriate permissible external noise level: When the host room ambient noise levels are less than those shown above, the IAC booth provides an acoustic environment suitable for screening purposes and air-conduction audiometry measurements to ISO 8253-1*, assuming a noise barrier headset (audiocups) is used. *ISO 8253-1:2010 supersedes and replaces EN 26189/ISO 6189/BS 6655, which have been withdrawn.