



## THE 250 SERIES MINI SOUND SHELTER

IAC Bulletin MSS/04.08

**IAC's smallest acoustic booth is a proven, low-cost solution for industrial audiology**

- IAC's best selling booth
- Complies fully with BS EN ISO 26189
- Available from stock
- 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
- Maintenance free LED lighting

The 250 Series Mini Sound Shelter provides a controlled acoustic environment in which hearing screening can be undertaken efficiently at low cost, whilst complying fully with BS EN ISO 26189. 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.

A detailed product specification appears overleaf. More information about other IAC audiometric booths, rooms and mobile hearing testing units – for clinical as well as industrial use – can be found in IAC Brochures AR/10.07 and SR/6.06



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# ACOUSTIC AND STRUCTURAL SPECIFICATION

## 1 DIMENSIONS

Outside dimensions: 710mm wide x 981mm deep x 1943mm high (includes castors, but excludes shelf).

Inside Dimensions: 604mm wide x 860mm deep x 1680mm high.

Weight: 295kg net, 322kg shipping weight.

## 2 CONSTRUCTION

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

## 3 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.

## 4 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.



## 5 JACK PANEL

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

## 6 VENTILATION

Ceiling panel contains an IAC Tranquil-Aire® all-in-one silenced forced ventilation system.

## 7 LIGHTING

LED maintenance free, ceiling recessed light.

## 8 ELECTRICAL

A 3000mm long drop cord with fitted 13 amp plug is provided for connection to a 220/240v mains power point.

## 9 SHELF (external)

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

## 10 SEAT (internal)

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

## 11 FLOOR

Foam-backed carpet.

## 12 NOISE REDUCTION

Noise reduction here is defined as the measured difference between the sound pressure levels in a reverberant room, outside the booth and inside the booth.

PREFERRED OCTAVE BAND CENTRE FREQUENCY, Hz	NOISE REDUCTION dB
125	18
250	32
500	38
1000	44
2000	51
4000	52
8000	50

Appropriate permissible external noise level, to comply with BS EN ISO 26189 is 59dB (at 500 Hz) assuming a noise barrier headset (audiocups) is used. If a higher degree of noise reduction is required, please see booths featured in IAC Bulletin No: SR/6.06

## 13 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.

## 14 PAINT FINISH

IAC Off-White polyester powder paint, RAL 9002 matt. Exterior and interior.

## 15 OPTIONAL EQUIPMENT

(Additional costs apply)

- (a) Vibration Isolators
- (b) Alternative wired jack panels
- (c) Alternative paint colours



IAC is registered to the international BS EN ISO 9001 quality standard and BS EN ISO 14001 environment management.



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