

# ECKEL

NOISE CONTROL TECHNOLOGIES

Engineered for high performance.  
Ready to use, Unsurpassed in pre-assembled  
audiometric booths



## AUDIOMETRIC SCREENING BOOTHS

### UNIQUE, PROVEN DESIGN

Utilized all-welded construction ensures reliable acoustic performance and dependable noise reduction.

### SIZE

The Eckel Audiometric Booth maximizes interior space, yet is compact enough to readily pass through a standard door.

### EASY, COMFORTABLE ACCESS

Large side entry door allows ease of access to persons of all ages. The Eckel Audiometric Booth's roomy

interior is spacious enough to accommodate a mother and child or an elderly person who would have difficulty entering and sitting in most mini booths.

### OUTSTANDING PERFORMANCE

The Eckel Audiometric Booth has been specially engineered with features that maximize performance; double acoustic window, continuous magnetic seal on the access door, and silenced ventilation. The exclusive Eckel wall construction system ensures long-term acoustic integrity.

**MODELS AB-4230 AB-4240 AB-4250 AB-150 AB-200 AB-2000**

The Pre-assembled Eckel Audiometric Booth is designed for: Medical offices and clinical applications, School hearing testing, Industrial hearing conservation programs



AB-200

Eckel Audiometric Booths are the most practical and economic units available - high quality audiometric booths specially engineered to provide outstanding acoustic performance. The advanced design of the Eckel unit features all-welded unitized construction; acoustic integrity, as well as durability, is thereby ensured. No other audiometric booth on the market offers this superior construction and quality. The booth is delivered fully assembled, ready to use, and will readily pass through a 30" clear opening doorway. The large overlapping side entry door with continuous magnetic seals allow the person being tested to enter and exit easily. Standard features include lighting, carpeting, vibration isolators or heavy duty castors, universal jack panel (adaptable to any audiometer), and forced air ventilation.

## SPECIFICATIONS

### PERFORMANCE:

dB noise reduction: (1/3 Octave Center Frequency) as tested by an independent laboratory per ASTM 596-77.

Hz	125	250	500	1000	2000	4000	8000
	19	28	38	46	>52	>54	>54

### CONSTRUCTION:

Eckel Audiometric Booths feature unique all-steel, all-welded construction as standard. Wall thickness is 2" with 16 ga exterior, 22 ga perforated interior.

### DOOR:

2" thick overlapping door with continuous perimeter magnetic seals. Door hinges are cam-rise post and socket so that door may be easily removed.

### WINDOW:

23" x 23" (584 mm x 584 mm) square framed, double-glazed acoustic window. Interior sound absorbing barrier. Allows excellent visual observation and monitoring. Frame is removable for maintenance or glass replacement.

### VENTILATION:

Silenced forced air ventilation is standard. Ventilation is activated when light is turned on. Noise levels with ventilation comply with ANSI standards.

### ELECTRICAL:

Unit is pre-wired and includes an 8' (2438mm) 3 wire extension cord which plugs into booth. Lighting fixture incorporates light/fan switch. 120V-60Hz is standard, 240V-50Hz available on request.

### JACK PANEL:

Standard jack panel includes six (colour coded) 1/4" N112B phone jacks with plugs. Additional connectors available as accessories for most applications.

### FINISH:

Standard finish is textured polyurethane enamel. Standard colour is beige. Other colours available at additional cost.

### CARPET:

Commercial quality, colour coordinated carpeting is provided in the booth's interior.

### VIBRATION ISOLATORS / H.D. CASTERS

Choice of neoprene in shear isolators mounted on steel rails or H.D. casters (2 swivel, 2 locking).

### PACKAGING:

Heavy duty carton on wooden skid.



AB-2000

### WEIGHTS

#### & MEASURES:

WEIGHTS & MEASURES:		Interior			Exterior		
		W	D	H	W	D	H
AB-200	600 lb / 273 kg net wt.	36"	28"	58"	40"	32"	65"
	650 lb / 295 kg ship. wt.	mm	914	711	1473	813	1651
AB-2000	650 lb / 295 kg net wt.	36"	28"	68"	40"	32"	75"
	700 lb / 318 kg ship. wt.	mm	914	711	1727	813	1905

### OPTIONAL ACCESSORIES

- Non-standard jacks
- Window in door
- Swivel chair on heavy duty chrome base
- Non-standard colours
- Fold-down shelf

\* Specifications subject to change without notice





MODEL AB-4230  
MODEL AB-4240  
MODEL AB-4250

Eckel Audiometric Booths are the most practical and economical units available - high quality audiometric booths specially engineered to provide outstanding acoustic performance. The advanced design features cam-lock construction, which provides flexibility in moving, storing, and shipping. The cam-lock design ensures that acoustic integrity, durability and utility remain intact. No other audiometric booth on the market offers this superior construction and quality. The booth is delivered assembled, ready to use. The knock-down packaging is offered as an option or for bulk export shipping. The flush-mounted entry door with continuous magnetic seal allows the person being tested to enter and exit easily. Lighting, carpet, vibration isolators (heavy duty casters are optional), six universal 1/4" (6.3 mm) phone jack panel, and forced air ventilation, are all standard.

## SPECIFICATIONS

### CONSTRUCTION:

The Eckel Audiometric AB-4200 Series booths feature unique all-steel, cam-locking, interlocking panel, 2" (50 mm) construction.

### DOOR:

Heavy flush-mounted door with continuous perimeter magnetic seal. Universal door swing, LH or RH hinge, can be changed in the field by rotating the door panel.

### WINDOW:

23" x 23" (584 mm x 584 mm) square framed, double-glazed acoustic window. Interior sound absorbing barrier. Allows excellent visual observation and monitoring. Frame is removable for maintenance or glass replacement.

### VENTILATION:

Silenced forced air ventilation is standard. Ventilation is activated when light is turned on. Noise levels with ventilation comply with ANSI standards.

### ELECTRICAL:

Unit is pre-wired and includes an 8' (2438 mm) 3 wire extension cord which plugs into booth. Lighting fixture incorporates light/fan switch. 120V-60Hz is standard, 240V-50Hz available on request.

### JACK PANEL:

Standard Jack panel includes six (colour coded) 1/4" N112B phone jacks with plugs. Additional connectors available as accessories for most applications.

### FINISH:

Standard finish is textured polyurethane enamel in light beige; other colours available on request at additional charge.

### CARPET:

Commercial quality, colour coordinated carpeting is provided in the booth's interior.

### VIBRATION ISOLATORS / H.D. CASTERS

Choice of neoprene in shear isolators mounted on steel rails or H.D. casters (2 swivel, 2 locking).

### PACKAGING:

Single units are packaged assembled on a skid and protected by H.D. carton, or bulk crated for shipping.

### WEIGHTS & MEASURES

AB-4230	600 lbs / 273 kg net 660 lbs / 295 kg ship.wt.	38" x 26" x 68" 965 x 660 x 1727mm	42" x 30" 75" 1067 x 762 x 1905mm
AB-4240	710 lbs / 323 kg net 760 lbs / 345 kg ship.wt.	38" x 36" x 68" 965 x 914 x 1727mm	42" x 40" 75" 1067 x 1016 x 1905mm
AB-4250	800 lbs / 363 kg net 870 lbs / 395 kg ship.wt.	38" x 46" x 68" 965 x 1168 x 1727mm	42" x 50" 75" 1067 x 1270 x 1905mm

### OPTIONAL ACCESSORIES

- Non-standard jacks
- Non-standard colours
- Window in door
- Swivel chair on heavy duty chrome base
- Fold-down shelf
- Shipped Unassembled

\* Specifications subject to change without notice

### STANDARD FEATURES

- 2" (50 mm) Cam-Lock Panel System
- 27 1/6" W x 70" H Door (687 mm x 1778 mm)
- Universal LH-H or RH-H Door
- 23" W x 23" H (584 mm x 584 mm) Double Glazed Square Framed Window
- Pre-wired Electrical, Ready to use
- Light Switch, Fan Switch
- Six 1/4" (6.3 mm) Phone Jacks (colour coded)
- In-wall Ventilation
- Vibration Isolators / H.D. Casters
- Colour: Standard Eckel Beige
- Fully De-mountable



# LIGHT WEIGHT, PORTABLE, EASY TO SET UP AND TAKE DOWN !

## MODEL AB-150

### SPECIFICATIONS

- All Aluminum Panel Construction
- Acrylic Full Size Double Doors
- 4 - 1/4" (6.3 mm) Phone Jacks (colour coded)
- 1-RS252 Computer Interface
- Painted Standard Medium Grey
- Packaged in Carton
- Shipping Weight 175 lbs (65 kg).
- Assembly By Adjustable Clamping Latch

### NOISE REDUCTION

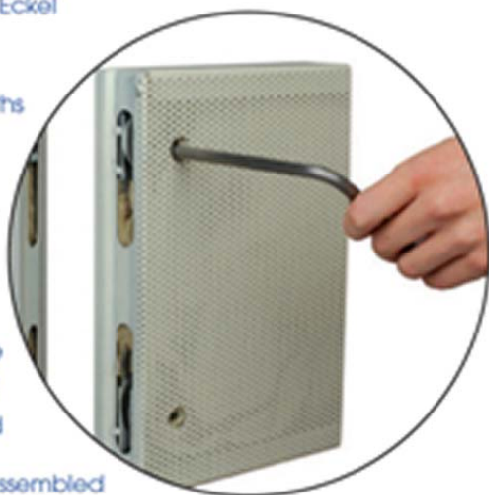
Based on Actual Field Tests

Hz	125	250	500	1000	2000	4000
N.R.	13	13	20	21	22	20



Model AB-150 is designed to reduce distractions and noise during hearing screening tests in applications such as malls, retirement homes, fairs, etc.

- The cam-locking hardware system used in Eckel AB-4200 series audiometric screening booths is unique
- The units are de-mountable
- The door panel can be rotated in the field to change the door swing
- Can be moved into restricted areas and re-assembled
- Shipped assembled



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### AB-4200 Series Cam-locking Panels

AUTHORIZED DEALER / DISTRIBUTOR

