



# Axiom<sup>®</sup>

Standard Verification



**YOUR PATIENTS  
DESERVE THE BEST POSSIBLE  
HEARING EXPERIENCE.**

 **audioscan<sup>®</sup>**  
Professional Verification

[audioscan.com/axiom](https://audioscan.com/axiom)

# STANDARD VERIFICATION

Audioscan's Axiom offers the highest quality in standard verification. It is for clinics who need only the essentials in verifying hearing instruments. Simply connect to your laptop or an external monitor and your **AXIOM IS READY TO GO TO WORK!**



## WHY BUY AXIOM? FOR VALUE AND PERFORMANCE



Axiom includes full test box capabilities



Remote connectivity with Noah® facilitates easy and efficient integration into your office



Axiom is a stand-alone powerful computer, avoiding future operating system conflicts faced by PC-based equipment



Dual probe microphones for fast, convenient set up



Axiom's smaller footprint is space-efficient



Connect a large screen monitor for better counseling impact

## DEBATING WHICH BRAND TO BUY?

- **Audioscan is #1** because of our commitment to rigorous accuracy and ease of use
- **Verification is Audioscan's only business** – we are specialists
- **Audioscan products include excellent counseling tools** that improve patient acceptance, satisfaction and referrals
- **Audioscan was first to develop** real-time directional testing
- **Speechmap® is Audioscan's world-first innovation** that revolutionized hearing instrument verification in the 1990s
- **Audioscan's Speechmap® is popularly referenced** in published textbooks and industry white papers
- **Audioscan products are designed to give patients** the best possible hearing experience



# AXIOM SAVES YOU 30%<sup>†</sup>

## GET THESE HARD-WORKING, RELIABLE FEATURES!

## DID YOU KNOW?

### Audioscan Offers Superb Service and Support

1. Enjoy a full two year warranty
2. You get free software upgrades for up to 10 years
3. Excellent reputation for minimal repairs
4. We answer the phone live Mon – Fri, 8:30 – 4:30 EST
5. Our distributors are in 40+ locations throughout the USA & Canada, plus internationally

### Patients Value Their Verification Experience

1. **DOUBLES**<sup>1</sup> the expected \$ value of clinician services
2. **ASSURES** the best fitting possible
3. **SHOWS** them on Speechmap® what their hearing aid is doing for them
4. **SPEAKS** to them in their own language (9 popular choices)

### Audioscan Training Builds Skilled Professionals

1. Hundreds of top clinicians attend Audioscan full-day workshops every year
2. Our customer service team answers immediate application inquiries
3. Learn from video webinars on new software features twice per year
4. Get one free in-service training in your own office with every purchase
5. Learn from our extensive research with leading academics and institutions
6. Explore our online library for specific learning & problem solving

|   | Axiom | Verifit2        |
|---|-------|-----------------|
| <b>STANDARD VERIFICATION TOOLS</b>          |       |                 |
| Real-Ear and test box (S-REM)               | ●     | <b>BINAURAL</b> |
| Calibrated real speech stimuli              | ●     | ●               |
| Percentile analysis display                 | ●     | ●               |
| DSL®5, NAL-NL2, CAMFIT targets              | ●     | ●               |
| ANSI 2014 test box measurement              | ●     | ●               |
| Frequency-lowering test stimuli             | ●     | ●               |
| User-supplied sound files                   | ●     | ●               |
| FM fitting protocol                         | ●     | ●               |
| Real-Ear to Coupler Difference Measurement  | ●     | ●               |
| <b>ADVANCED VERIFICATION TOOLS</b>          |       |                 |
| SII target ranges                           | ●     | ●               |
| Noise reduction, feedback, occlusion tests  |       | ●               |
| CROS/BICROS fitting in Speechmap™           |       | ●               |
| Speechmap® for telecoil                     |       | ●               |
| Monitor headphones                          |       | ●               |
| Directional test                            |       | ●               |
| Verifit® Skull Simulator compatibility      |       | ●               |
| Wideband verification (REM & Test box)      |       | ●               |
| MAOF highlighter for frequency lowering     |       | ●               |
| <b>STANDARD EASE OF USE FEATURES</b>        |       |                 |
| Context sensitive help                      | ●     | ●               |
| Smart calibration/sound field equalization  | ●     | ●               |
| Noah® module                                | ●     | ●               |
| <b>ADVANCED EASE OF USE FEATURES</b>        |       |                 |
| On-screen virtual keyboard                  | ●     | ●               |
| Print to PDF (EMR compatible)               | ●     | ●               |
| PC control/display capability (On-top mode) | ●     | ●               |
| Wireless networking                         | ●     | ●               |
| Screen text in 5 languages                  | ●     | ●               |
| Verifit/LINK™ automated verification        |       | ●               |
| Puttyless coupling in test box              |       | ●               |
| Heads-up help with instructive pictures     |       | ●               |
| Convenient L/R display swap                 |       | ●               |
| Binaural Sound Field Assist                 |       | ●               |
| <b>COUNSELING TOOLS</b>                     |       |                 |
| Sensory Loss Simulator™                     | ●     | ●               |
| Audibar SII display                         | ●     | ●               |

<sup>1</sup>Amlani et al, 2016 Hearing Review, December Issue.

<sup>†</sup>Compared to Verifit2. Based on 2018 price list. Subject to change.

# Product Specifications



## REAL-EAR (REM)

Per IEC 61669/ANSI S3.46\*\*

**REM Speaker** 13.5 x 9.5 x 9.5 cm  
**Probe module** dual probe and ref. microphones  
**Probe microphone tube** silicone 1 mm diameter x 75 mm  
**Analyzer Frequency range** 200 – 8000 Hz  
**Analyzer filter parameters** tones, warble 1/12 octave  
speech, noise 1/3 octave,  
**Analyzer display range** 200 – 8000 Hz  
**Probe microphone noise floor (200-8000k)** <45dB SPL  
**Frequency accuracy** 2%  
**Measurement dynamic range** 30 – 135 dB SPL (200 – 2500 Hz)  
30 – 140 dB SPL (2500 – 8000 Hz)  
**Speech-like stimuli** calibrated speech (level and spectrum),  
ISTS, band-limited and s/sh for verifying frequency lowering,  
live speech  
**Broadband noise stimuli** tone burst, pseudo-pink noise  
**Narrowband stimuli** warble sawtooth modulated +/- 3% over 128 ms  
**User supplied stimuli** WAV file, auto level  
**Stimulus level range** 40 – 85 dB SPL in 5 dB steps  
**Measurement accuracy at 1kHz (CAL position)** +/- 1 dB  
**Measurement accuracy re 1kHz** 200 – 2000Hz +/- 1.5 dB  
2000 – 8000Hz +/- 2.5 dB  
**Equalization** modified pressure method – concurrent and stored

\*\*Distance of .5m in a quasi-free soundfield, where the boundaries of the room exert a negligible effect.

## TEST BOX (HIT)

Per IEC 60118/ANSI S3.22

**Test box speaker** 1 – 30.5 mm round  
**Working space** 152.4 cm<sup>3</sup>  
**Test box isolation @1kHz** >25 dB  
**Analyzer Frequency range** 200 – 8000 Hz  
**Analyzer Display range** 200 – 8000 Hz  
**Coupler microphone noise floor (200 – 8000 Hz)** <40 dB SPL  
**Frequency accuracy** 2%  
**Measurement dynamic range** 30 – 135 dB SPL (200 – 2500 Hz)  
30 – 140 dB SPL (2500 – 8000 Hz)  
**Speech-like stimuli** calibrated speech (level and spectrum),  
ISTS, band-limited and s/sh for verifying frequency lowering,  
live speech  
**Broadband noise stimuli** tone burst, pseudo-pink noise  
**Narrowband stimuli** pure tone  
**User supplied stimuli** WAV file, auto level  
**Test stimulus levels** 40 to 90 dB in 5 dB steps  
**Test stimulus distortion (tone)** <2% at 90 dB SPL  
<0.5% at 70 dB SPL  
**Measurement accuracy at 1 kHz (CAL position)** +/- 1 dB  
**Measurement accuracy re 1 kHz** 200 – 5000 Hz +/- 1.5 dB SPL  
5000 – 8000 Hz +/- 2.5 dB SPL  
**Equalization** modified pressure method, concurrent  
**Harmonic distortion measurement** 2nd and 3rd or 2nd plus 3rd  
**Harmonic distortion range** 200 – 4000 Hz  
**Harmonic distortion accuracy** +/- 1%

## GENERAL

**Temperature (storage)** -20 to +60°C  
**Relative humidity (non-condensing)** 5% to 95%  
**Atmospheric pressure** 500 – 1060 hPa  
**Power source** 100 – 240V, 47 – 63Hz, 1.35A  
**Overall dimensions** 31.75 x 31.12 x 10.8 cm (12.5 x 12.25 x 4.25 in.)  
**Weight** 3.45 kg (7.6 lbs)  
**Display type** User supplied  
**Display size** User supplied  
**Power amplifiers** 1  
**Stimulus channels** 1  
**Measurement channels** 2

**Connectivity** 1 - Ethernet (RJ45)  
4 - USB  
2 - HDMI  
1 - External speaker (RCA)  
1 - RECD transducer (3.5 mm TRS)  
1 - Test chamber ref. mic. (3.5 mm TRS)  
1 - Coupler microphone (3.5 mm TRS)  
2 - Real-ear microphones (3.5 mm TRS)

For detailed testing capabilities, see the Axiom user guide at <http://audioscan.com/library>

Contact us today for a free demo at [audioscan.com/professional](http://audioscan.com/professional).



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