



Axiom[®]
Standard Verification



**THE BEST POSSIBLE
HEARING EXPERIENCE.**

 **audioScan**[®]
Professional Verification

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!**



WHY BUY AXIOM?



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



Axiom includes full test box capabilities



Remote connectivity with NOAH facilitates easy and efficient integration into your office



Your Axiom includes free software updates for up to 10 years



Sequential binaural testing capability is accurate, easy and efficient



Axiom offers Audioscan quality at an affordable price



Axiom's smaller footprint is space-efficient



Connect a large screen monitor for better counselling impact

AUDIOSCAN IS NORTH AMERICA'S LEADING VERIFICATION MANUFACTURER



- in leading schools of audiology, pediatric hospitals and education facilities
- in Veteran's Affairs hearing clinics across the United States
- in fast-growing private clinics

YOU GET MORE FROM AUDIOSCAN

- Audioscan offers more than 20 customer training workshops annually across North America.
- Customers love our unparalleled customer service. We answer the phone live!
- We back up our equipment with a two year parts and labour warranty.
- Audioscan ONLY makes verification equipment. We have almost 30 years of expertise.
- We systematically gather customer feedback and develop free software improvements twice per year.
- We offer sales and service through the best audiology equipment distributors – E3 Diagnostics and MidWest Special Instruments in the USA and DiaTec in Canada, covering 40+ local offices.

TOP 5 REASONS TO BUY AN AXIOM

- 1** It's a reliable and easy to use Audioscan product
- 2** The most affordable Audioscan with superior value vs. other value brands
- 3** Wireless networking and convenient remote operation
- 4** Runs from your PC - no separate monitor required!
- 5** Easy printing and data management with NOAH

— DEBATING WHICH BRAND TO BUY? —

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



Verification DOUBLES* the perceived value of your services!

*Amlani et al, 2016 Hearing Review, December issue

Product Specifications



Axiom
Standard Verification

STORAGE & TRANSPORTATION

Temperature -20 to +60°C

Relative humidity (non-condensing) 5% to 95%

Atmospheric pressure 500 - 1060 hPa

GENERAL

Power source 100-240V, 47-63Hz, 1.35A

Overall dimensions 31.75 cm x 31.12 cm x 10.8 cm (12.5 in. x 12.25 in. x 4.25 in.)

Weight 3.45kg (7.6lbs)

Display type User supplied

Printer type User supplied

Power amplifiers 1

Stimulus channels 1

Measurement channels 2

Connectivity

- 4 - USB
- 1-Ethernet (RJ45)
- 2-HDMI
- 1-RECD transducer (3.5mm st)
- 1-test chamber ref. mic. (3.5mm st)
- 1-coupler microphone (3.5mm st)
- 1-external speaker (RCA)
- 2-real-ear microphones (3.5mm st)

TEST BOX

Working space 152.4 cm³ [60 in³ (Irregular)]

Isolation @ 1kHz >25dB

Speaker 1 - 30.5 mm round (1.2 in. round)

Frequency range 200 - 8000Hz

Coupler microphone noise floor (200 - 8000 Hz): <40dB SPL

Test stimuli tone, tone burst, pink noise, user supplied, calibrated or live speech, ISTS, filtered speech for verifying frequency-lowering instruments

Test stimulus levels 40 to 90 dB in 5 dB steps

Test stimulus distortion <2% at 90dB SPL
<0.5% at 70dB SPL

Test stimulus accuracy at reference mic. for tones (200-2000 Hz) +/- 1.5dB SPL

Test stimulus accuracy at reference mic. for tones (2000-8000 Hz) +/- 2.5 dB SPL

Equalization method pressure method

Analysis frequencies per octave 12

Analysis filter bandwidth (noise) 1/12 octave

Measurement accuracy at 1 kHz +/- 1 dB

Measurement accuracy re 1 kHz +/- 1dB (200-5000 Hz)
+/- 2.5dB (5000 - 8000Hz)

Measurement range (tones) 30 - 145dB SPL

Harmonic distortion measurement 2nd and 3rd or 2nd plus 3rd

Harmonic distortion range 200 - 4000Hz

Harmonic distortion accuracy +/- 1%

ANSI S3.22/IEC 60118 TESTS AVAILABLE

- OSPL90
- Full-on Gain
- Reference Test Gain
- Frequency Response
- Frequency Range
- Maximum OSPL90
- Harmonic Distortion
- Attack & Release Time
- Equiv. Input Noise

OTHER TESTS AVAILABLE

- Speechmap® real-speech audibility measures
- Manual measurement of output, gain, and distortion

ON-EAR

Speakers 13.34 cm x 9.53 cm x 9.53 cm (1-5.25 in. x 3.75 in. x 3.75 in.)

Probe microphone tube Silicone 1 mm diameter x 75 mm

Probe microphone noise floor (200-8000 Hz): <45dB SPL

Frequency range 200 - 8000Hz

Test Stimuli tone, tone burst, pink noise, user supplied, calibrated or live speech, ISTS, filtered speech for verifying frequency-lowering instruments

Frequency modulation (tones) sawtooth +/- 3% over 128ms

Test stimulus levels for tones 40 - 85 dB SPL in 5 dB steps

Test stimulus accuracy at reference mic. for tones (200-2000Hz) +/- 1.5dB SPL

Test stimulus accuracy at reference mic. for tones (2000-8000Hz) +/- 2.5dB SPL

Equalization method pressure method (stored for open fittings)

Frequencies per octave (swept tones) 12

Frequencies per octave (tone burst) 3

Analysis bandwidth (speech, noise) 1/3 octave

Measurement accuracy at 1kHz +/- 1 dB

Measurement accuracy re 1kHz +/- 1dB (200-5000Hz)
+/- 2.5dB (5000-8000Hz)

Measurement range 30-135 dB SPL (200-2500Hz)
30-140 dB SPL (2500-8000Hz)

ANSI S3.46/IEC 61669 TESTS AVAILABLE

- Real-Ear Unaided Response
- Real-Ear Occluded Response
- Real-Ear Aided Response
- Real-Ear Insertion Gain

OTHER TESTS AVAILABLE

- Speechmap®

FITTING METHODS AVAILABLE

Speechmap® with DSL 5.0a, NAL-NL1, NAL-NL2

Insertion gain with NAL-RP, NAL-NL1, Fig6, Pogoll, Berger, Libby

SENSORY LOSS SIMULATOR

Simulation types Linear, conductive
non-linear outer hair cell cochlear loss

Simulation bands 65

Contact us today for a free demo at audioscan.com/professional.



audioscan
Professional Verification

20 Ludwig St., Dorchester ON, Canada, N0L 1G4

audioscan.com | USA 800-265-2093 | 519-268-3313 | info@audioscan.com