



Verifit[®] 2

Advanced Verification



**THE BEST POSSIBLE
HEARING EXPERIENCE.**

audioscan[®]
Professional Verification

audioscan.com/verifit2

ADVANCED VERIFICATION

Audioscan's Verifit2 is the most advanced name in verification, thanks to an unwavering commitment to scientific accuracy and a single-minded focus on constantly improving the verification process. It is how your patients get **THE BEST POSSIBLE HEARING EXPERIENCE!**



WHY BUY Verifit2?



Verifit2 is the only triple binaural system; simultaneous binaural verification on-ear and in the test box, and binaural monitor headphones so you hear what the patient receives



Verifit2 is a powerful stand-alone computer, avoiding future operating system conflicts faced by PC-based equipment



Connectivity with NOAH facilitates easy and efficient integration into your office



Verifit2 now offers an optional Skull Simulator for verification of bone-anchored hearing systems



Your Verifit2 includes free software updates for up to 10 years

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 UPGRADE FROM VERIFIT TO VERIFIT2

- 1** Three binaural simultaneous capabilities – on-ear, test box and headphones
- 2** Industry-best bandwidth verification capabilities to 12.5 kHz to handle the latest hearing aid technology
- 3** Enhanced office integration capabilities including new wireless networking, VESA mount capability on rear unit, convenient remote operation
- 4** Increased efficiency features including puttyless coupling options and slide-in couplers
- 5** Verifit2's powerful processor is faster and ready to accept years of future upgrades

— 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



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STORAGE & TRANSPORTATION

Temperature -20 to +60°C

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

Atmospheric pressure 800 - 1060 hPa

GENERAL

Power source 100-240V, 47 - 63Hz, 1.35A-0.53A

Overall dimensions Display unit WxHxD 36x41.7x16.5 cm (14.2x16.4x6.5 in.)

Test box WxHxD 35.9x13.7x32.7 cm (14.1x5.4x12.9 in.)

Weight 7 kg (15.4 lbs)

Display type LED backlit active color

Display size 12.1" diagonal

Stereo headphone monitor amplifier 250 mW into 16 ohms, L/R

Power amplifiers 2 @ 5 watts each

Simultaneous stimulus channels 2

Simultaneous measurement channels 2

Connectivity

- WiFi 802.11 B/G/N
- 1 - Ethernet (RJ45)
- 5 - USB
- 1 - HDMI
- 2 - External speakers (RCA)
- 1 - Test box cable (HDMI Style)
- 1 - Probe dock (Mini-din)
- 2 - Probe microphone (3.5mm st)
- 1 - WRECD transducer (3.5mm st)
- 1 - Binaural monitor headphone (6.3mm st)
- 2 - Test box ref. mic. (3.5mm st)
- 1 - Binaural coupler microphone (3.5mm st)
- 1 - Battery substitute (3.5 mm st)
- 1 - Power supply (4-conductor DIN)

TEST BOX

Working space 28x7.5x12.3 cm (11x3x4.8 in.)

Isolation @ 1kHz >25dB

Speakers 3 - 30mm (1.25 in.) independent

Induction coil 1 - 23.5x16.9 cm (9.2x6.7 in.) test loop per ANSI S3.22

Battery simulator per ANSI S3.22

Frequency range 200 - 12500 Hz

Test stimuli tone, tone burst, pink noise, dual directional noise, user supplied, calibrated/live speech, ISTS, filtered speech for verifying freq.-lowering instruments

Test stimulus levels 40 to 90 dB in 5 dB steps

Test stimulus levels (inductive) 31.5mA/m per ANSI S3.22

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

Test stimulus accuracy at reference mic. for tones (8000-12,500 Hz) +/- 4 dB SPL

Equalization method real time modified pressure method (stored for open fittings)

Analysis frequencies per octave 12

Analysis filter bandwidth (noise) 1/12 octave

Measurement accuracy at 1 kHz for tones +/- 1 dB

Measurement accuracy re 1 kHz for tones +/- 1dB (200-5000 Hz)
+/- 2.5dB (5000 - 8000Hz)
+/- 5dB (8000 - 12500Hz)

Measurement range 30 - 145dB SPL

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

Harmonic distortion range 200 - 4000Hz

Harmonic distortion accuracy +/- 1% (absolute)

Battery drain range 0 - 20 mA

Battery drain accuracy +/- 5%

Battery drain resolution +/- .01 mA

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
- Input/Output Curves
- Coupler SPL - Telephone Simulator
- Simulated Telecoil Sensitivity
- Battery Drain

OTHER TESTS AVAILABLE

- Speechmap[®]
- Speechmap[®] for fitting telecoils
- Real-time adaptive directional verification
- Freq. lowering instrument verification
- Coupler SPL vs freq
- Coupler gain vs freq
- Spectral analysis
- Noise reduction verification
- Distortion vs freq
- Manual measurement of output, gain and distortion
- Skull Simulator (optional accessory)

ON-EAR

Speakers 2 - 5x9 cm (2x3.5 in.) ducted ports

Probe microphone tube Silicone 1 mm diameter x 75 mm

Probe modules 2 - each containing probe and ref. microphones

Probe microphone noise floor (200 - 12500Hz) <45 dB SPL

Frequency range 200 - 12500Hz

Test Stimuli frequency-modulated tone, tone-burst, pink noise, dual directional noise, calibrated/live speech, ISTS, filtered speech for verifying freq. lowering instruments

Frequency modulation sawtooth +/- 3% over 128ms

Test stimulus level at reference mic. for tones 40 - 85dB SPL in 5 dB steps

Stimulus accuracy at reference microphone for tones 200-2000Hz +/-1.5dB SPL
2000-8000 Hz +/-2.5 dB SPL
8000-12500 Hz +/- 4 dB SPL

Equalization method real time modified pressure method (stored for open fittings)

Analysis frequencies per octave 12

Frequencies per octave (tone burst) 3

Analysis filter bandwidth (speech, noise) 1/3 octave

Measurement accuracy at 1 kHz for tones +/- 1 dB

Measurement range 30 - 135 dB SPL (200-2500 Hz)
30 - 140 dB SPL (2500-12500Hz)

ANSI S3.46/IEC 61669 TESTS AVAILABLE

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

OTHER TESTS AVAILABLE

- Speechmap[®]
- Real-time adaptive directional verification
- Frequency lowering instrument verification
- Harmonic distortion
- Spectral analysis
- Noise reduction verification
- Feedback suppression verification
- Manual measurement of output, gain and distortion

FITTING METHODS AVAILABLE

Speechmap[®] with DSL 5.0a, NAL-NL1, NAL-NL2, CAMFIT

Insertion gain with NAL-RP, NAL-NL1, Fig6, Pogo II, Berger, Libby

SENSORY LOSS SIMULATOR

Simulation types Linear, conductive

Sensorineural, non-linear outer hair cell cochlear loss

Simulation bands 65

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



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