

Specifications

Specifications subject to change without notice

STORAGE AND TRANSPORTATION

Temperature.....-20°C to +60°C
Relative humidity (non-condensing).....5% to 95%
Atmospheric pressure.....500 - 1060 hPa

GENERAL

Power source.....100-240V, 50 - 60Hz, 250 VA
Fuse.....2A type T, 250V
Overall dimensions
Rear main unit.....14.5x16x6.5 in. (36.8x40.6x16.5 cm)
Test chamber.....14x14.4x4 in. (35.6x36.6x10.2 cm)
Weight.....17.6 lbs (8 kg)
Display type.....fluorescent backlit active color
Display size.....12.1" diagonal
Resolution.....800x600 (SVGA)
Internal printer.....3" (80mm) Thermal line printer, 200 dots/inch
Headphone monitor amplifier.....1 watt into 16 ohms
Power Amplifiers.....2 @ 5 watts each
Stimulus Channels.....2
Measurement channels.....2
Connectors.....1 - mouse (PS2-6 pin)
.....1 - QWERTY keyboard (PS2 - 6 pin)
.....1 - external monitor (15HD)
.....1 - parallel printer (25D)
.....1 - RS232 serial (9D)
.....1 - ethernet (RJ45)
.....2 - USB
.....2 - external speaker jacks (RCA)
.....2 - expansion jacks (1/4" mono)
.....2 - real-ear mics. (3.5mm st)
.....1 - RECD transducer (3.5mm st)
.....1 - monitor headset (3.5 mm st)
.....1 - test chamber ref. mic. (3.5mm st)
.....1 - coupler microphone (3.5mm st)
.....1 - battery substitute (3.5 mm st)

TEST BOX

Working space.....11x 5x1.5 in. (28x12.7x3.8 cm)
Speakers.....2 - 2x3 in. (5x7.5 cm) independent
Test box isolation @ 1kHz.....>25 dB
Induction coils per ANSI S3.22-2003

.....1 - Telephone Mag. Field Sim. (TMFS)
.....1 - 23 cm diameter test loop
Battery simulator.....per ANSI S3.22 - 2003
Frequency range.....200 - 8000 Hz

Test stimuli.....tone, tone burst, pink noise, dual direction noise, calibrated or live speech
Test stimulus levels.....40 to 90 dB in 5 dB steps
Test stimulus levels (inductive).....31.6mA/m per ANSI S3.22 - 2003
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.....real time 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.....+/- 1 dB (200-5000 Hz)
.....+/- 2.5dB (5000 - 8000Hz)
Measurement Range.....30 - 140dB SPL
Harmonic distortion measurement.....2nd and 3rd or 2nd plus 3rd

Harmonic distortion range.....200 - 4000Hz
Harmonic distortion accuracy.....+/- 1%
Battery drain range.....0 - 20 mA
Battery drain accuracy.....+/- 5%
Battery drain resolution.....+/- .01 mA

ANSI S3.22 - 1996 and 2003 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® real-speech audibility measures.....Real-time adaptive directional verification.....Coupler SPL vs frequency.....Coupler gain vs frequency.....Spectral analysis.....Noise reduction verification.....Distortion vs frequency.....Manual measurement of output, gain and distortion.....VIEWPORT™ audibility, directional, noise reduction and feedback suppression verification

ON-EAR MEASURES

Speakers.....2 - 2x3 in. ducted ports (5x7.5cm)
Probe modules.....2 - each containing probe & ref. microphones
Probe microphone tube.....Silicone 1 mm diameter x 75 mm
Probe microphone noise floor (200-8000 Hz).....<45 dB SPL
Frequency range.....200 - 8000Hz
Test Stimuli.....frequency-modulated tone, tone-burst, pink noise, dual directional noise, calibrated speech, live speech
Frequency modulation.....sawtooth +/-3% over 128ms
Stimulus level for tones.....40-85dB SPL in 5 dB steps
Test stimulus accuracy at reference microphone for tones (200 - 2000 Hz).....+/- 1.5 dB SPL
Test stimulus accuracy at reference microphone for tones (2000 - 8000 Hz).....+/- 2.5 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.....+/- 1 dB
Measurement accuracy re 1 kHz.....+/- 1.5dB (200-5000Hz)
.....+/-2.5 dB (5000-8000 Hz)
Measurement range.....20-135 dB SPL (200-2500 Hz)
.....30-140 dB SPL (2500-8000 Hz)

ANSI S3.46 - 1997 tests available

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

Other tests available

Speechmap® real-speech audibility measures.....Real-time adaptive directional verification.....On-ear harmonic distortion.....On-ear spectral analysis.....On-ear noise reduction verification.....On-ear feedback suppression verification.....Manual measurement of output, gain and distortion.....VIEWPORT™ audibility, directional, noise reduction and feedback suppression verification

Fitting methods available

Speechmap with DSL 5.0a, NAL-NL1, CAMFIT
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

Hearing Instrument Fitting System

Fit | Counsel | Verify



VERIFIT[®]
Best Science. Best Fit.™



audioscan[®]

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The Benefits of Verifit Ownership

The Best Science Means The Best Fit

And the best fit is the key to building your practice. Audioscan's easy-to-use Speechmap® fitting environment ensures the best fit by utilizing the only available properly controlled and analyzed speech signal... which is also repeatable for accurate comparison. This exclusive scientific method is your best fit guarantee.

Best Practices

Best practice doesn't have to mean difficult procedures. The use of advanced hearing instrument systems has been specified as a "best practice" initiative by every audiological authority in North America and the Verifit makes it practical. The easy-to-use Verifit puts you back in control of the fitting process and allows you to quickly and reliably help your clients make better decisions about today's high-end, feature-rich hearing aids.

Increase Customer Satisfaction

Your customer's satisfaction (and likelihood of returning a hearing aid) is determined by three things: your counseling, their first fitting experience, and your ability to resolve subsequent problems. Audioscan's Verifit can provide the assurance that your customers will be satisfied customers and will **reduce your overall return rates**. It gives you unrivaled fact-based tools for counseling, for making sure the first fit is the best fit, and for verifying or troubleshooting any hearing aid problems that occur.

One Easy Tool For All Hearing Aids

Audioscan equipment includes free software upgrades so it continues to evolve in step with hearing aid technology. Verifit can fit, test and troubleshoot analog or digital open-fit, directional, adaptive-directional, BTE, ITE, ITC, CIC, CROS, Body, or FM devices.

VERIFIT
Best Science. Best Fit.

Verifit now features



NEW!

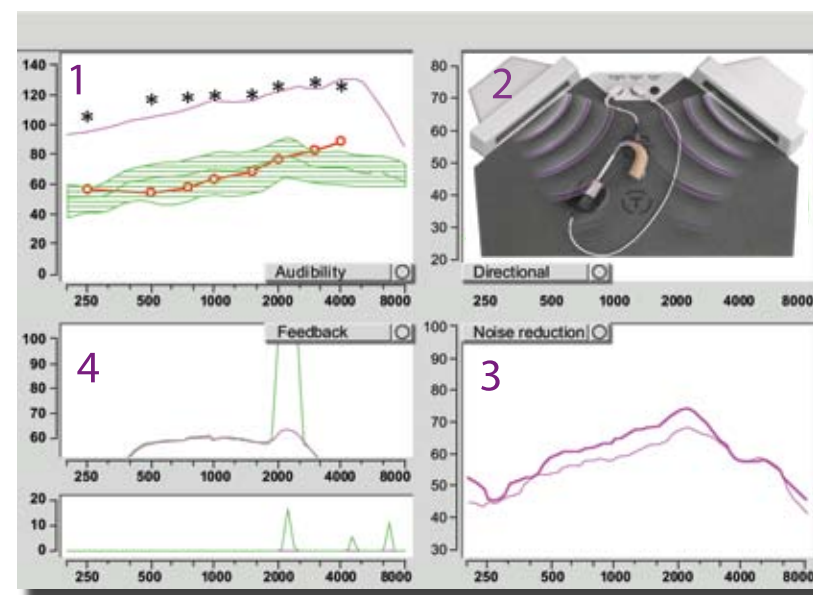
Completely characterize digital instrument performance on one screen in minutes!

Four Steps to Success

1 Speechmap® is our exclusive fitting environment. It is the only available fitting tool that utilizes the proper test signal that is appropriately analyzed. Audibility is your goal, Speechmap is your tool. Detailed information on Speechmap is available at: www.audioscan.com

4 Using real speech, our new feedback test shows exactly where feedback is occurring and reveals the feedback suppression in action. It even shows incipient feedback!

Our directional test has been awarded a **US patent!** Only the Verifit can offer you a scientifically valid test for directionality with all of the digital features of the aid activated — something even a research or manufacturers' lab can't do. But with a Verifit you can!



3 Viewport also shows the noise reduction function engaging and exposes just how effective the aid is at removing noise. Select from a variety of everyday sounds.

This new suite of tests makes fitting, counseling, and verification a tightly integrated four step approach — helping you provide the best fit while saving time, reducing returns and boosting patient satisfaction. With Viewport, you can demonstrate and document the quality of your fit and justify the cost of digital aids in a few short minutes!



The Most Complete System

Standard features include:

- ▶ Dual probes for fast binaural fitting
- ▶ Viewport™ featuring Speechmap®, patented directional test, unique noise reduction and feedback suppression tests
- ▶ Fitting protocols (DSL®5.0a, NAL-NL1, Camfit) with new, more realistic targets for children and adults
- ▶ True two channel measurements
- ▶ Single/Dual view display options
- ▶ External monitor capability
- ▶ Sensory Loss Simulator™
- ▶ ANSI, ITE & BTE couplers
- ▶ Occlusion effect test
- ▶ Battery simulator
- ▶ RECD transducer
- ▶ Probe monitor
- ▶ Telecoil test
- ▶ Manual gain, output, distortion tests
- ▶ 2 year warranty & free phone support
- ▶ Free software updates (adds features every year)

Optional accessories:

- ▶ Soft carry case
- ▶ NOAH module
- ▶ External speaker
- ▶ Probe mic extension cables
- ▶ Barcode scanner for quick data re-entry

Best Science. Best Fit.

Audioscan is an independent private company. Our goal is to manufacture easy-to-use scientific equipment that provides its users with objective, accurate and valid data in order to optimize the fitting, counseling, and verification of hearing aids.

The Verifit is the culmination of years of research and development and we feel that with the addition of Viewport we have succeeded in providing our customers with what they've been asking for. A quick, but complete protocol for fitting and testing digital instruments with the instrument fully programmed and active. No other piece of equipment comes close... ask a Verifit owner!

Customer Care

Audioscan hearing instrument fitting systems all come with **lifetime software updates**, a **two year warranty** and **free unlimited phone support**.

Call your local Audioscan representative to schedule a demonstration today!

USA 800-265-2093

International 519-268-3313