



Verifit 2

Total Control & Complete Verification

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
Binaural monitor headphones	
Stereo headphone monitor amplifier.....	250 mW into 16 ohms, L/R
Equalization.....	Equalized for coupler/average ear canal response
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	
System analog bandwidth.....	10 - 16000 Hz
Display bandwidth (1/3rd octave).....	200-12500Hz
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)
.....	+/- 3dB (5000 - 12500Hz)
Measurement range.....	30 - 145dB SPL
Harmonic distortion measurement.....	2nd and 3rd or 2nd plus 3rd
Harmonic distortion range.....	200 - 4000Hz

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Harmonic distortion accuracy.....	+/- 1% (absolute)
Battery drain range.....	0 - 20 mA
Battery drain accuracy.....	+/- 5%
Battery drain resolution.....	+/- .01 mA

ANSI S3.22 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

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	
System analog bandwidth.....	10 - 16000 Hz
Display bandwidth (1/3rd octave).....	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 - 2013 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

Specifications subject to change without notice



audioscan®
Hearing Instrument Fitting Systems

Etymonic Design Inc., 20 Ludwig St., Dorchester ON Canada N0L 1G4
Telephone 519-268-3313 Fax 519-268-3256 USA 800-265-2093