

VERIFIT TECHNICAL SPECIFICATIONS

GENERAL

Overall dimensions

Rear main unit.....	14.5" x 16" x 6.5"
Test chamber.....	14" x 14.4" x 4"
Weight.....	Less than 17 lbs (7.7 kg)
Display.....	12.1" Diagonal Fluorescent backlit active color LCD 800 x 600 pixels (SVGA)
Internal printer.....	3" 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 speakers (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. (3.5m st)
.....	1 - coupler microphone (3.5mm st)
.....	1 - battery substitute (3.5 mm st)

HEARING AID TEST CHAMBER

Working space.....	11" x 5" x 1.5" (approx)
Speakers.....	2 - 2" x 3" independent
Induction coils.....	1 - Telephone Magnetic Field Simulator (TMFS ANSI S3.22 - 2003)
.....	1 - 23 cm diameter test loop
Battery simulator.....	per ANSI S3.22 - 2003
Frequency range.....	200 - 8000 Hz
Test stimuli.....	tone, pink 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.....	pressure method
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)
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..... Equip. Input Noise
 Input/Output Curves..... Coupler SPL - Telephone Simulator..... Simulated Telecoil Sensitivity
 Battery Drain

Comprehensive Tests Available.....

Coupler SPL vs Frequency..... Coupler gain vs Frequency..... Spectral Analysis..... Distortion vs Frequency
 Manual measurement of output, gain and distortion

REAL-EAR MEASUREMENT

Speakers.....	2 - 2" x 3" ducted ports
Probe microphone tube.....	Silicone 1 mm diameter x 75 mm
Frequency range.....	200 - 8000Hz
Test Stimuli.....	frequency-modulated tone, tone-burst, pink noise, calibrated speech, live speech
Frequency modulation.....	triangular +/- 5% at 36 Hz
Test stimulus levels at reference microphone for tones at 1 m.....	40-90dB 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.....	pressure method
Analysis frequencies per octave.....	12
Analysis filter bandwidth (speech, noise).....	1/3 octave
Measurement accuracy at 1 kHz for tones.....	+/- 1 dB
Measurement accuracy re 1 kHz for tones.....	+/- 1dB (200-5000Hz) +/- 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

Comprehensive tests available

Real-Ear Harmonic Distortion.....Real-Ear Spectral Analysis.....Battery Drain.....Manual measurement of
output, gain, and distortion

Fitting methods available

Speechmap with DSL, NAL-NL1
Insertion gain with NAL-RP, NAL-NL1, Fig6, PogoII, Berger, Libby

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE