IMAGINE™ | VS

THINK™ TECHNOLOGY

mini

Behind-The-Ear

Premier | Pro | Prestige | Classic

Features

Sound Imaging

Imagine VS Premier

Optimal high-resolution sound imaging with frequency shaping in all 16 channels and 16 bands

Imagine VS Pro

High-resolution sound imaging with frequency shaping in 12 channels and 12 bands

Imagine VS Prestige

Frequency shaping in 8 channels and 8 bands

Vivid Speech

- So fast and smart it reduces noise between syllables of speech
- Two-part algorithm uses dynamic voice identification, coupled with a spectral noise control that calculates appropriate gain on a per channel basis
- Reduces listening effort and mental fatigue
- Active at positive signal-to-noise ratios
- Provides unprecedented sound quality, ease of listening, and intelligibility of speech in noise

Environmental Sound Perception

Imagine VS Premier

- Premium 16-channel environmental adaptation with 5 levels of personalization
- SoundClass EA includes: Machine Noise, Speech in Noise, Wind and Quiet

Imagine VS Pro

- Advanced 12-channel environmental adaptation with 3 levels of personalization
- SoundClass EA includes: Machine Noise, Speech in Noise, Wind and Quiet

Imagine VS Prestige

- Select 8-channel environmental adaptation with 2 levels of personalization
- SoundClass EA includes: Machine Noise, Wind and Quiet

Active Feedback Suppressor

- Provides best-in-class feedback cancellation
- When fit open, Intro has the widest fitting range and usable high-frequency bandwidth of any open fit instrument in its class

ClearFocus 2

- Automatically adapts to ensure optimal performance in all listening situations
- Imagine VS boasts the highest mean DI scores and the lowest operational noise floor, helping patients significantly increase their understanding in noise

React™ Touch Control

An industry first that replaces difficult-to-adjust buttons and dials with an innovative control surface—so patients can make volume and memory adjustments with the sweep or touch of a finger

Advanced HydraShield®

NuEar's proprietary moisture protection system that integrates nano-coating, unibody construction and smart component placement making Imagine VS standard hearing instruments 100% resistant to water, humidity, perspiration and corrosion—both inside and out

NuEar On Demand

NuEar's leading On Demand options bring the benefits of telehealth to your practice. Designed to elevate your interaction with patients, each one provides an entirely new way for you to provide and deliver care.

T^2 On Demand

Allows you to make common, standard adjustments to patients' hearing aids over the phone

Audiology On Demand™

Provides on-call access to an audiologist who can remotely operate your fitting computer, offer suggestions and guidance, and ensure a successful fitting

T^2 Remote

Adjustment for volume and memory via any cell or touch-tone telephone

Live Real Ear Measurement

Provides accurate measures of real-ear output in your patient's ear, in real-ear SPL, while the system evaluates the hearing aid response and matches to your selected target—providing you with the most precise fitting information available

Live 3D Speech Mapping

Available on Imagine VS Premier

- Allows hearing professional to verify how the hearing aid processes speech, or any live acoustic input, in real time
- 3D display engages patient and family in fitting process

Live Speech Mapping

Verifies hearing aid's processing of speech, or any live acoustic input, in real time

Self Check

Available on Imagine VS Premier

Allows hearing professional and patient to perform a diagnostic check of the microphone, circuit and receiver

Reminder

Available on Imagine VS Premier

Offers hearing professionals the option of programming audible voice or tone reminders for follow-up appointments and maintenance checks

Leisure Listening Memories

TV memory program designed for optimal performance while watching television

Available on Imagine VS Premier

Multiple music genre settings designed to maximize sound quality and listening enjoyment

Automatic Telephone Solutions

Automatically detects telephone use and adjusts to the optimal acoustic frequency response for telephone listening

Voice Indicators

Available on Imagine VS Premier

Alerts patients to the status of their hearing aid, low battery, memory and telephone modes in their choice of male or female voices in a wide variety of languages

Tonal Indicators

Unique tones for memory, low battery, etc.

Auto Path

- Automatic fitting routine
- Provides an accurate and efficient first fit

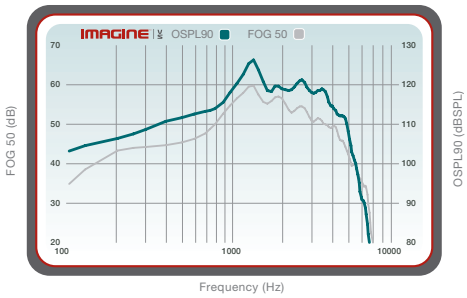
Verify Comfort

In-Situ Audiometry

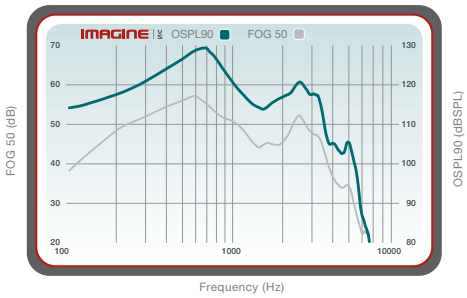
Data Logging

Imagine VS mini ANSI/IEC Data

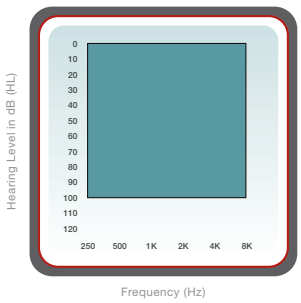
	Earhook		Thin Tube *(Size 3+, Occluded)*	
Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	126	131	119	123
HFA OSPL90 (dB SPL)	119	NA	108	NA
RTF OSPL90 (dB SPL)	NA	128	NA	111
Peak Gain (dB)	60	65	57	60
HFA Full-On Gain (dB)	54	NA	49	NA
RTF Full-On Gain (dB)	NA	63	NA	52
Frequency Range (Hz)	100 - 7000	TBD	100 - 6000	TBD
Reference Test Frequency (kHz)	NA	1.6	NA	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	NA	1.0, 1.6, 2.5	NA
Reference Test Gain (dB)	42	53	31	38
Harmonic Distortion				
500 Hz (%)	<5	<5	<1	<2
800 Hz (%)	<2	<2	<1	<1
1600 Hz (%)	<2	<2	<1	<2
Equivalent Input Noise (dB SPL)	<22	<22	<19	<19
Attack and Release Time (ANSI/IEC) – Test Mode				
Attack Time (ms)	22	5	22	5
Release Time 0.1s (ms)	5-150	5-250	5-150	5-250
Release Time 2.0s (ms)	5-150	5-250	5-150	5-250
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	110	NA	91	NA
MASL (IEC) (dB SPL)	NA	93	NA	82
ANSI/IEC Battery Current (mA)	1.65	1.54	1.57	1.53
Idle Current (mA)	1.5	1.5	1.5	1.5
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	6-8	6-8	6-8	6-8



OSPL90 (green) and Full-On Gain (gray) curves for the Imagine VS mini with Earhook.



OSPL90 (green) and Full-On Gain (gray) curves for the Imagine VS mini with Thin Tube.



Imagine VS mini fitting range.

Measurement Conditions and Recommendations

The data for Imagine VS are obtained and performance is expressed according to ANSI S3.22 (2003), ANSI S3.7 (1995), ANSI C63.19 (2007), IEC 60118-7 (2005), IEC 60711 (1981), and IEC 60118-0 (1983) with Amendment 1 (1994-01). The NuEar proprietary Real Time Analyzer and the NuEar Automated Design Verification Test System comprise the basic test equipment. Data may be subject to change with product refinement.

Because of the adaptive signal processing capabilities of Imagine VS hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. Imagine VS hearing instruments may be set to test mode with Inspire® by reading the hearing aid and selecting the "Hearing Aid Test" screen from the menu on the left side of the Inspire window, then selecting the "Full on Gain" button.

NuEar | 6769 Mesa Ridge Road, Suite 100 | San Diego, CA 92121

© 2010 NuEar All Rights Reserved