

# iSync IIC

## IIC Custom Hearing Instruments 325



### Features

#### Sound Imaging

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

#### Noise Tranquility

- 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

#### Sound Environment Optimization System

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

#### Sound Shield

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

#### AudioSync On Demand™

AudioSync'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<sup>2</sup> 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<sup>2</sup> Remote*

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

#### Live 3D Speech Mapping

- 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

#### Reminder

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

#### Voice Indicators

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

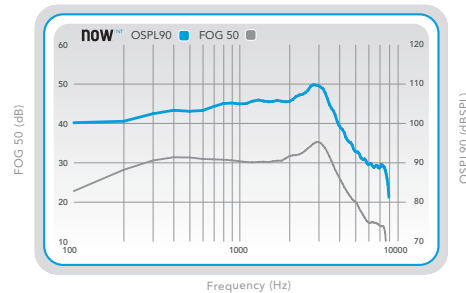
#### Data Logging



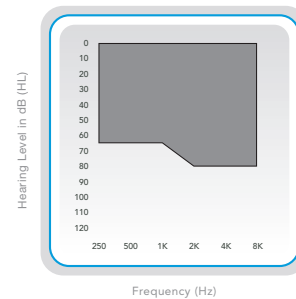
# NOW NT iSync IIC

## ANSI/IEC Data

Measurement	IIC	
	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110	119
HFA OSPL90 (dB SPL)	106	NA
RTF OSPL90 (dB SPL)	NA	114
Peak Gain (dB)	35	50
HFA Full-On Gain (dB)	31	NA
RTF Full-On Gain (dB)	NA	43
Frequency Range (Hz)	100	NA
Reference Test Frequency (kHz)	NA	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	NA
Reference Test Gain (dB)	29	36
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
Equivalent Input Noise (dB SPL)	<28	<28
Attack and Release Time (ANSI/IEC) – Test Mode		
Attack Time (ms)	20	20
Release Time 0.1s (ms)	5-150	5-250
Release Time 2.0s (ms)	5-150	5-250
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	NA	NA
MASL (IEC) (dB SPL)	NA	NA
ANSI/IEC Battery Current (mA)	1.1	1.1
Idle Current (mA)	1.0	1.0
Estimated Battery Life in 16-Hour Days		
10 Zinc Air (days)	5-7	5-7



OSPL90 (blue) and Full-On Gain (gray) curves for the iSync at a matrix of 110/35.



iSync IIC fitting range.

### Measurement Conditions and Recommendations

The data for iSync IIC are obtained and performance is expressed according to ANSI S3.22 (2003), IEC 60118-7 (2005) and IEC 60118-0 (1983) with Amendment 1 (1994-01). The AudioSync proprietary Real Time Analyzer as well as the AudioSync 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 iSync IIC hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. iSync IIC 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.