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Electrode Arrays Simplified Insertion, Optimal Performance

Long Electrode Array

Number of Electrodes 24 **Electrodes Spacing** 1.0mm

Theoretical Exposed Electrode Area 0.16mm²/0.28mm²

Medium Electrode Array -----

Length of Internal Electrode Array 20.5mm Number of Electrodes Electrodes Spacing 0.85mm Theoretical Exposed Electrode Area 0.16mm²/0.28mm²

Short Electrode Array

Length of Internal Electrode Array 16mm Number of Electrodes 22 Electrode Spacing 0.71mm Theoretical Exposed Electrode Area 0.16mm²/0.28mm

Standard Electrode Array

Length of Internal Electrode Array 20.5mm Number of Electrodes Electrodes Spacing 0.85mm Theoretical Exposed Electrode Area 0.32mm²



Please read the IFU carefully and purchase or use them according to the instructions or under the guidance of the doctor.

10A Cochlear Implant

Platinum-Banded Electrodes

Industry-leading 24-channel electrodes, with finer frequency distribution, more detailed sound signal for more natural hearing.

Reliable, Biocompatible, Titanium Implant Casing

Care for patients, to minimize overall thickness and bone excavation.

High-performance Implantable Chip Design

Provide high stimulation rates with ability to support future advances in sound processing.



Soft Electrode Array

Protect delicate cochlear structures, reduce translocation ratio of electrode array from scala tympani to scala vestibule during the insertion.

Removable Magnet For MRI

More compatible for different levels of MRI scans, to ensure the best imaging outcome.

Symmetrical Lead Exit

Electrical Characteristics

1.067 Mbps

4 μS-425 μS

0-1900 μΑ

20 KHz

RF transmission frequency

Maximum Stimulation Rate

Number of Current Sources

Range of Output Current

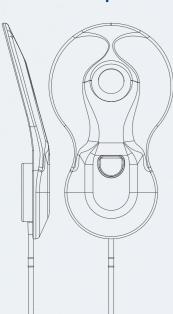
Data Transmission Rate

Pulse Width

Easily position the implant with the central electrode lead for the surgeon.

Technical Specifications

10A Implant



Implant Specifications

Receiver Stimulator Diameter 20 mm
Coil Thickness 3.4 mm
Weight ≤9 g
Warranty 12 Years

Electrode Arrays

	Long	Medium	Short	Standard
ength of Internal Electrode Array	24 mm	20.5 mm	16 mm	20.5 mm
Number of Electrodes	24	24	22	24
Electrode Spacing	1.0 mm	0.85 mm	0.71 mm	0.85 mm
Theoretical Exposed Electrode Area-Apical End	0.16 mm²	0.16 mm²	0.16 mm²	0.32mm ²
Theoretical Exposed Electrode Area-Basal End	0 28 mm²	0.28 mm²	0.28 mm²	0.32mm²

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Venus

Speech Processor



Features

- Compact, portable
- Effective processing of sound signals
- Four programs (MAPs) for different hearing environments
- Intelligent indicator lights
- Tough Dust & Water Resistance
- Neural Response Measurement (NRM)



Specifications

Signal processing Unit Transmission Coil Microphones Dust & Water Resistance Warranty

weight 3i

≤6 g 43 mm x 32 mm x 14 mm ≤13 g 33 mm Omnidirectional IP44 (with silicone case) 3 Years

Processor

RF signal frequency RF signal amplitude Effective working distance Sound intensity Contact discharge Air discharge Spectral Bands Coding Strategy 16 MHz ± 0-3 MHz ±10V - ±25V 2-10 mm

35 dBSPL -80 dBSPL Withstand at least 10 discharges at 2kv Withstand at least 5 discharges at 8kv

24 APS, CIS





Cochlear Implant

Upgraded Technology Better Fit, Less Surgical Trauma

With upgraded titanium alloy shell. 15 degree curved, 20A conforms to the skull, fit well.

> • Size decreased 20% comparing to CS-10A. Length (except electrodes) - 52mm Receiving Coil - 30 mm Bone Excavation-0.4cc





Round Window Approach Nurotron Implant X-ray Image

Titanium Alloy Shell Reliable, Guaranteed

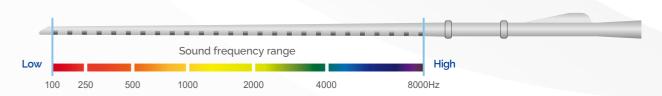
The impact resistance of the new titanium alloy shell is more than 2.5J, meet the requirement of ISO14708-7 international standard, reliable.



24 electrodes

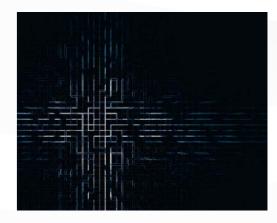
Slim Electrodes Array Safer Technology

24+2 electrodes include 24 active intracochlear electrodes and 2 external electrodes.



Advanced state of the Art ASIC Chip

Research and develop the SoC chip independently. Enhance the feature of tonal information collection, improve the communication and music appreciation.





Implant ID Feature

Implant ID is the serial number of implant, which can be identified clearly by NuroSound, matching speech processor and implant one-to-one.

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Hear More, Live Better

ENDURO Speech Processor



- Industry-First Tone™ Strategy
- Portable, invisible
- Power-saving coil and algorithm
- Built-in Telecoil
- 2.4-inch touch screen remote with battery life of 50+ hours
- Support bilateral implants
- Neural Response Measurement (NRM)





2.4-inch, touchscreen remote, with app-style user interface, supports bilateral implants





Technical Specifications

Signal processing unit Max. external dimension 39.0 mm x 25.5 mm x 9.5 mm

IP 54

3 Years

Signal processing unit Weight

Microphones Omnidirectional, dual

Dust & Water Resistance Warranty

Audio Input Frequency Range 150 Hz-7.8kHz
Sound Intensity 35dBSPL - 80dBSPL

Coding Strategy APS, CIS

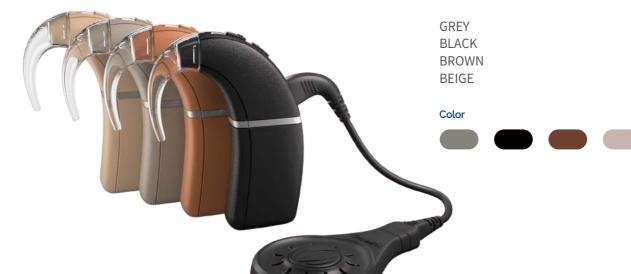
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Hear More, Live Better





Colorful Comfortable



Nurolink APP Direct Bluetooth Connection

Compatible with IOS, Android, Harmony system. Directly connection for both phone call and audio streaming.











Speech Processing Feature Enhancement Intelligent Scene Recognition



Enhanced Pitch Perception





Before C-Tone

After C-Tone

Intelligent Scene Recognition









Quiet

Noise

Speech

Music

Intelligent Positioning

:P2 **4**:8

MIC 1:2 AUX

Position the lost speech processor easily.

Noise-Reduction Technique

ABeam (Dual Microphones) eVoice (Single Microphone)

High-performance DSP Chip

Upgraded DSP chip from 16Bit to 24Bit. Independent ARM operation, stronger speech-processing function.