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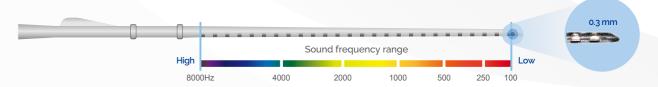




Electrode Arrays Simplifed Insertion, Optimal Performance

Thin Electrode (TS/TM/TL)

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



Long Electrode Array (TL)

Length of Electrode Array 25.5 mm Number of Electrodes 24 Electrode Spacing 1.0 mm

Diameter (Basal / Apical) 0.80 mm / 0.30 mm

Medium Electrode Array (TM)

Length of Electrode Array 22.0 mm Number of Electrodes Electrode Spacing 0.85 mm Diameter (Basal /Apical) 0.80 mm / 0.30 mm

Short Electrode Array (TS) 199999999999

Length of Electrode Array 17.5 mm Number of Electrodes Electrode Spacing 0.70 mm Diameter (Basal / Apical) 0.80 mm / 0.30 mm

Standard Electrode Array (SD)



Number of Electrodes 24 Electrode Spacing

Diameter (Basal /Apical) 0.92 mm x 0.85 mm / 0.70 mm x 0.55 mm

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

Hear More, Live Better

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

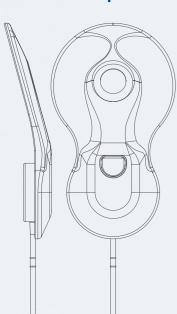
Data Transmission Rate

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
Length of Electrode Array	25.5 mm	22 mm	17.5 mm	22 mm
Number of Electrodes	24	24	22	24
Electrode Spacing	1.0 mm	0.85 mm	0.70 mm	0.85 mm
Theoretical Exposed Electrode Area-Apical End	0.16 mm²	0.16 mm ²	0.16 mm²	0.32mm ²
Theoretical Exposed Electrode Area-Basal End	0.28 mm²	0.28 mm ²	0.28 mm ²	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



Specifications

Signal Processing Unit Transmission Coil Microphones Dust & Water Resistance Warranty

RF Signal Frequency
RF Signal Amplitude
Effective Working Distance
Sound Intensity
Contact Discharge
Air Discharge
Spectral Bands
Coding Strategy

/eight Size

segnt size

46 g 43 mm x 32 mm x 14 mm

413 g 33 mm

Omnidirectional

IP44 (with silicone case)

3 Years

Processor

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





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-0.35cc





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.

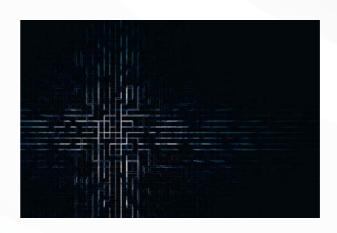
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Advanced state of the Art ASIC Chip

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.





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

Signal Processing Unit Weight ≤ 5g

Microphones Omnidirectional, dual

Dust & Water Resistance

Warranty 3 Years

Audio Input Frequency Range 150 Hz-7.8kHz

Sound Intensity 35dBSPL - 8odBSPL

Coding Strategy APS, CIS

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Hear More, Live Better



Speech Processor

Colorful Comfortable

GREY BLACK BROWN

Color

BEIGE



Signal Processing Unit Weight Signal Processing Dimension Dust & Water Resistance Frequency Range

Number of Microphone

Type of Microphone

Warranty
Coding Strategy
Tone Strategy
Noise Reduction

Input Dynamic Range (Transient)

Wireless Receiving Function

Remote Control

≤ 5g

41mm x 9.5mm x 25mm

IP 54

150 Hz ∼ 7800 Hz

2

Omnidirectional microphone

3 years
CIS, APS
CTone
eVoice, Abeam

35 dBSPL∼110 dBSPL

Wireless reception available, 2.4 GHz bluetooth Via Voyager Remote Controller and NuroLink APP

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

C-TONE

Enhanced Pitch Perception





Before C-Tone

After C-Tone

Intelligent Scene Recognition









Quie

Noise

Speech Music

Intelligent Positioning

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.

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