



Cochlear
Implant
System

Digisonic® SP



Ultra light...!

Digi SP'K

Micro BTE with remote battery pack

- Dual DSP technology - Fully reprogrammable
- High resolution FFT signal processing (Fast Fourier Transform)
- Powered by one AA battery (standard or rechargeable)
Average life: 6 days
- 4-programme selector and direct FM connection
- Light indicator
- Integrated Telecoil
- Anatomical shape of the micro-contour adapted to the pinna (Thickness: 6,8 mm - Weight: 2 grams)
- Indicated for very young children.



Neurelec
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Humanizing Technology

Digi SP'K

 Micro BTE with remote battery pack

References

E-SP-TX8	Processor alone
I-SP-SD and E-SP-TX8	Full Digisonic®SP System with Digi SP'K processor

General features

- Powered by one AA battery (standard or rechargeable). Average life : 6 days. ⁽¹⁾
- Ultra light micro BTE : 2 g.
- Micro-BTE available in 2 colors : Deep Ocean (OCN) and Silver Light (SLT).
- Antenna and antenna lead available in black (Ref : BL) or beige (Ref : BE). Select when ordering.
- Warranty: • Micro BTE and remote battery : 3 years*.
• Antenna and leads: 6 months.
- 4-programme selector.
- Light indicator - 4 colours.
- Direct FM connection.
- Integrated Telecoil.
- Audio output with earphones for microphone testing.
- Indicated for very young children.

Real time signal processing

- Input dynamic range : 30 to 95 dB SPL.
- Detection of the frequential and temporal features using FFT (Fast Fourier Transform) analysis between 65 Hz and 8 kHz.
- 130 Hz resolution similar to 64 digital filters.

Stimulation strategies

- Dynamic detection of "n" channels among 20 depending on spectral features.
- Adaptative stimulation frequency up to 1kHz ⁽²⁾ per channel : fixed (MPIS). Sequential stimulation.
- Energy coding on each frequency band by balanced biphasic pulses.

Programming and objective measures

- Programming using DigiMap SP USB system. Windows 98 SE, ME, 2000, XP and Vista compatible. USB link.
- Digistim® SP USB diagnosis system (compatible with Windows 98 SE, ME, 2000, XP and Vista) allowing the realization of Electrical Auditory Brainstem Responses (EABR), Stapedius Reflex, Psychoacoustic Tests (such as gap test, etc.).
- Electrode impedance measurement by telemetry.

Contents of Digi SP'K

- 1 Digi SP'K Micro BTE - 1 Remote battery pack - 1 Antenna - 2 Antenna leads - 2 Connection leads - 1 Tester - 1 Additional magnet - 1 Transport case - 1 AA Battery pack - Other accessories (Holding buckle, Earphones, etc.) - 1 Booklet containing: 1 User guide, 1 Back-Up USB key, 1 Card holder, 1 Set of stickers, 1 Warranty Certificate, 1 Warranty Registration Card.

⁽¹⁾ dependant on stimulation strategy, patient characteristics and environment.

⁽²⁾ dependant on electrical thresholds and number of channels.

* See local conditions.



Deep Ocean
(OCN)

Silver Light
(SLT)



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