

Product Overview

COLOR SELECTION



White Silver



Chroma Beige



Mocca Brown



Diamond Black

ADDITIONAL FEATURES OF PONTO PLUS SOUND PROCESSORS

Automatic Multiband Adaptive Directionality

The system analyzes information from various environmental detectors and automatically chooses one of the three different directionality modes with the aim of automatically offering an improved speech to noise ratio in adverse listening situations. The directionality modes are Omni, Split Directionality and Full Directionality.

Tri-state Noise Reduction

Continuously analyzes the environment to detect speech, environmental background noise and wind noise. The system automatically moves seamlessly

between the different states. The aim of this system is to provide some degree of comfort in noisy environments while preserving the information most important for speech intelligibility.

Wind Noise Reduction

Depending on the wind noise level, sounds will be attenuated. The more wind, the more attenuation. Forces the sound processor into omni mode when wind is detected.

Speech Guard

Speech Guard is a signal processing system that works by maintaining linear processing as much as possible, but

at the same time responding instantaneously to rapidly occurring environmental sounds – without the level of distortion experienced with traditional compression systems.

FITTING SOFTWARE

Ponto Plus sound processors are programmed using the Genie Medical 2013.1, or later version, fitting software. The software can be used stand-alone or with NOAH. They can be programmed using either programming cables Oticon #3 or NOAHlink #2.

FITTING FEATURES

BC In-situ Audiometry

A tool in Genie Medical used for measuring the patient's bone conduction hearing thresholds directly via the sound processor.

Feedback Manager

The Feedback Manager in Genie Medical measures and applies individual feedback limits in the sound processor in order to prevent static feedback and facilitate the full use of the entire range of the volume control without feedback.

Data Logging

Permits the sound processor to memorize listening levels, usage time, user settings and system states. The data can be analyzed externally, providing valuable information used to optimize patient comfort and speech intelligibility in any complex listening situation.

Learning Volume Control

Enables the sound processor to adjust automatically to patient preferences over time. Different listening situa-

tions and preferred volume settings are memorized. The system continuously analyzes listening situations and automatically adjusts the volume to the memorized preferred setting. In this way the system assists in reaching the preferred volume without the need of manual adjustment of the volume control.

Ponto Plus & Ponto Plus Power Product Information

Ponto Plus and Ponto Plus Power are built on the new Inium Platform adding new features such as feedback shield, a more powerful transducer and wireless connectivity, to the already known Ponto features. Providing its users with premium sound quality in many situations. Ponto Plus sound processors allows for accommodating individual fitting through Genie Medical 2013.1, or later, fitting software.



Inium feedback shield

The feedback handling in the Ponto Plus family is an improvement of the two-stage feedback system of previous Ponto sound processors. As before, the individual feedback limit is measured and applied during fitting. The new feedback shield then limits feedback in everyday life through a variety of advanced signal processing, including novel frequency shift. In situations with risk of feedback, feedback shield applies different processing to hinder feedback while limiting the artifacts associated with conventional feedback systems.

New transducer – higher output

The design of the transducer has been optimized, giving the Ponto Plus family our strongest transducer yet. Focus has

been on increasing the maximum output in the mid to high frequency range. The result for the user is a sound with more of the natural level variations of everyday sounds maintained.

Wireless capabilities

The Ponto Streamer turns Ponto Plus sound processors into a wireless headset giving access to sound from mobile, TV, phone, microphone and more. It can be combined with a range of solutions. All streaming scenarios are controlled directly from the Ponto Streamer. The Ponto Streamer includes a built-in telecoil and a Euro Pin socket for FM. It also acts as a remote control for the sound processor as an easy way to change program or adjust the volume.

Sound processing features

- 15 sound processing channels
- Automatic Multiband Adaptive Directionality
- Wind Noise Reduction
- Inium feedback shield
- Speech Guard
- Tri-state Noise Reduction
- Battery management system

Fitting features

- 10-channel frequency response shaping
- BC In-situ Audiometry
- Feedback Manager
- Data Logging
- Single-sided deafness fitting mode
- Soft band fitting mode
- Technical measurement tool
- Verification tool
- Ponto Streamer settings tool

The physical product and operational aspects

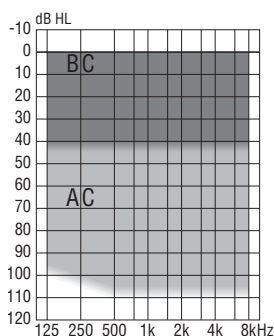
- Up to 4 programs
- Volume Control
- Wireless capabilities
- Start-up delay
- Mute/stand-by function
- Low battery warning
- Tamper-resistant battery door
- Nano coating



FITTING RANGES

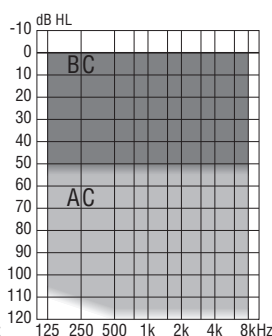
Conductive / mixed hearing loss

Ponto Plus



BC hearing losses up to and including average 45 dB HL*

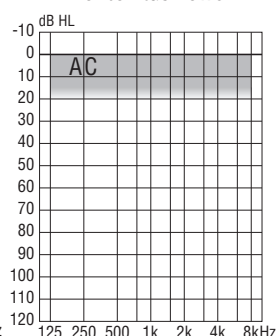
Ponto Plus Power



BC hearing losses up to and including average 55 dB HL*

Single-sided deafness

Ponto Plus & Ponto Plus Power



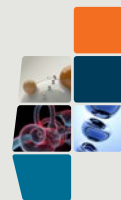
AC thresholds up to and including average 20 dB HL*

*average of 0.5, 1, 2 and 3 kHz)

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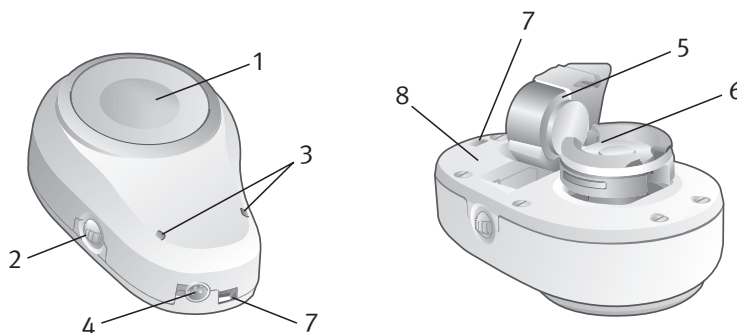
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Product Overview & Accessories

1. Push button for program and stand-by/mute
2. Volume control
3. Microphone inlets
4. Programming socket
5. Battery door (on/off, tamper resistant)
6. Coupling
7. Hole for safety line
8. Labeling



Picture shows Ponto Plus. Instrumentation is identical on Ponto Plus Power.

OPTIONS AND ACCESSORIES


Ponto Streamer


The Ponto Streamer can wirelessly connect the Ponto Plus sound processors to different audio sources, such as computer, cell phone or MP3 player and transmit the sound from the source to the sound processor via the Ponto Streamer.


The Ponto Streamer has a built-in telecoil designed to improve sound quality and speech understanding within rooms that have a teleloop installed.




The Ponto Streamer can be combined with different ConnectLine products from Oticon:

ConnectLine TV – lets users watch TV at their preferred volume without affecting friends and family. 

ConnectLine Phone – lets users receive sound from the landline phone directly into the sound processor via the Ponto Streamer. 

ConnectLine Microphone – lets users hear speech directly into the sound processor via the Ponto Streamer in situations where focus is on one speaker. 

The Ponto Streamer can also be combined with solutions for FM:

FM – lets users listen in lectures and schools without plugging any additional device into the sound processor. 

Other accessories:

Skins

Colorful skins offer the opportunity to personalize the sound processor. The skins can be used together with the stickers included with the sound processor to create an individual look.



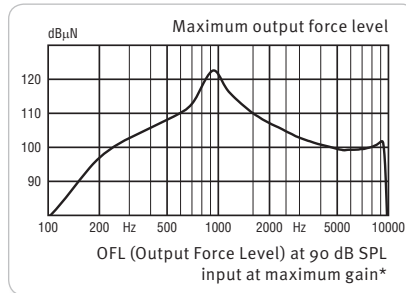
Technical Information

PONTO PLUS

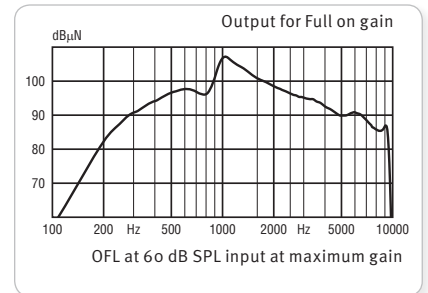
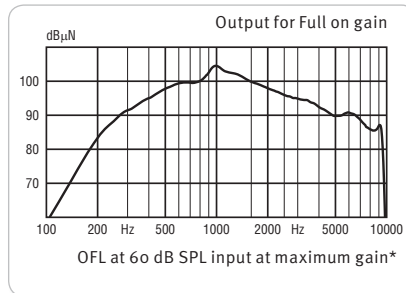
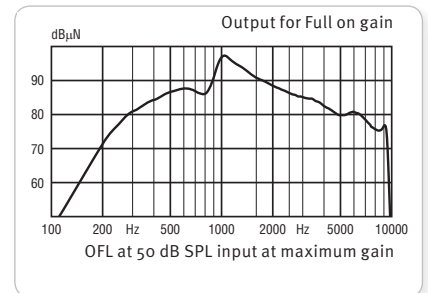
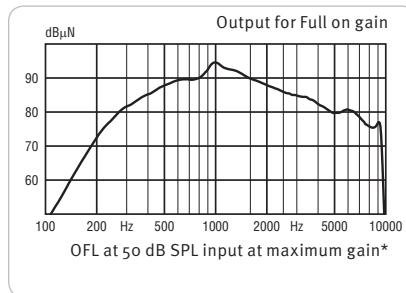
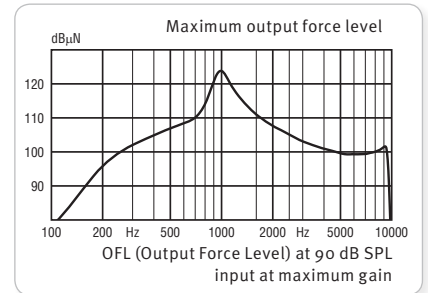


Scale 1:1

ON HEAD



ON SKULL SIMULATOR



*Curve compensation made for resonance on head.

Technical information Ponto Plus

Battery voltage	1.1-1.5 V	Total harmonic distortion (THD60)	<3% above 600 Hz
Current consumption, in silence	1.20 mA	Equivalent input noise	26 dB SPL
Current consumption, typical	1.45 mA	Electrical input equivalent to an acoustic input of 70 dB SPL	N/A*
Average battery lifetime	Typically 80-140 hours	Processing delay	6 ms
Frequency range	125 Hz-8 kHz	Battery size	13
Frequency range (DIN45.605)	200 Hz-9.5 kHz	Weight	14 g without battery
Peak OFL at 90 dB SPL input (skull sim.)	124 dB rel. 1 µN	Physical dimensions (L*W*H)	34* 21* 11 mm
Peak OFL at 60 dB SPL input (skull sim.)	107 dB rel. 1 µN	IRIL GSM/DECT	41/43 dB SPL
Peak OFL at 50 dB SPL input (skull sim.)	97 dB rel. 1 µN		

*Electrical audio input is available via wireless audio streaming from the Ponto Streamer.

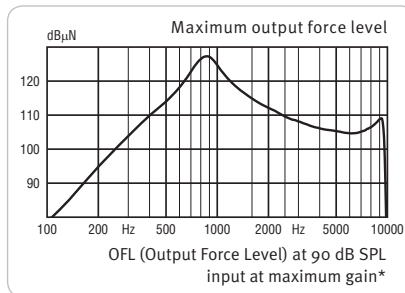
Technical Information

PONTO PLUS POWER

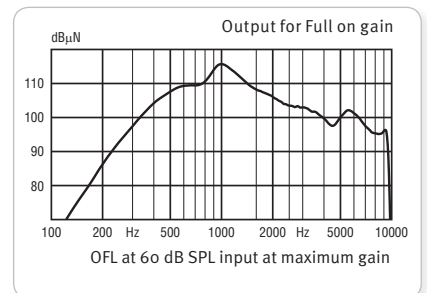
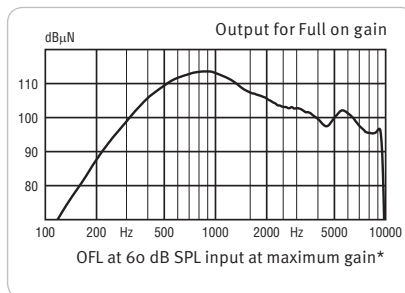
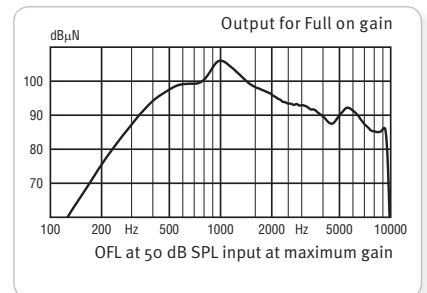
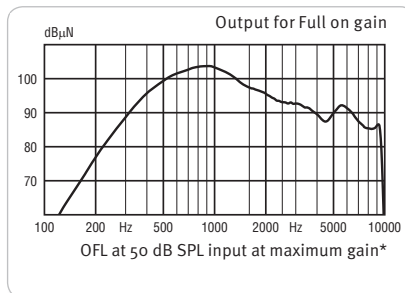
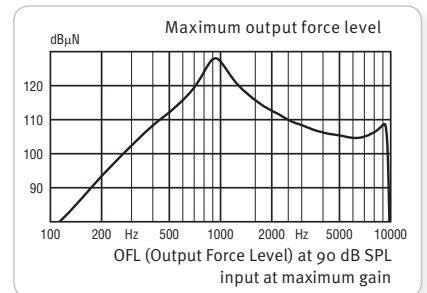


Scale 1:1

ON HEAD



ON SKULL SIMULATOR



*Curve compensation made for resonance on head.

Technical information Ponto Plus Power

Battery voltage	1.1-1.5 V	Total harmonic distortion (THD60)	<3% above 600 Hz
Current consumption, in silence	1.25 mA	Equivalent input noise	26 dB SPL
Current consumption, typical	2.10 mA	Electrical input equivalent to an acoustic input of 70 dB SPL	N/A*
Average battery lifetime	Typically 80-160 hours	Processing delay	6 ms
Frequency range	125 Hz-8 kHz	Battery size	675
Frequency range (DIN45.605)	260 Hz-9.6 kHz	Weight	17 g without battery
Peak OFL at 90 dB SPL input (skull sim.)	128 dB rel. 1 µN	Physical dimensions (L*W*H)	34* 21* 14 mm
Peak OFL at 60 dB SPL input (skull sim.)	116 dB rel. 1 µN	IRIL GSM/DECT	30/53 dB SPL
Peak OFL at 50 dB SPL input (skull sim.)	106 dB rel. 1 µN		

*Electrical audio input is available via wireless audio streaming from the Ponto Streamer.